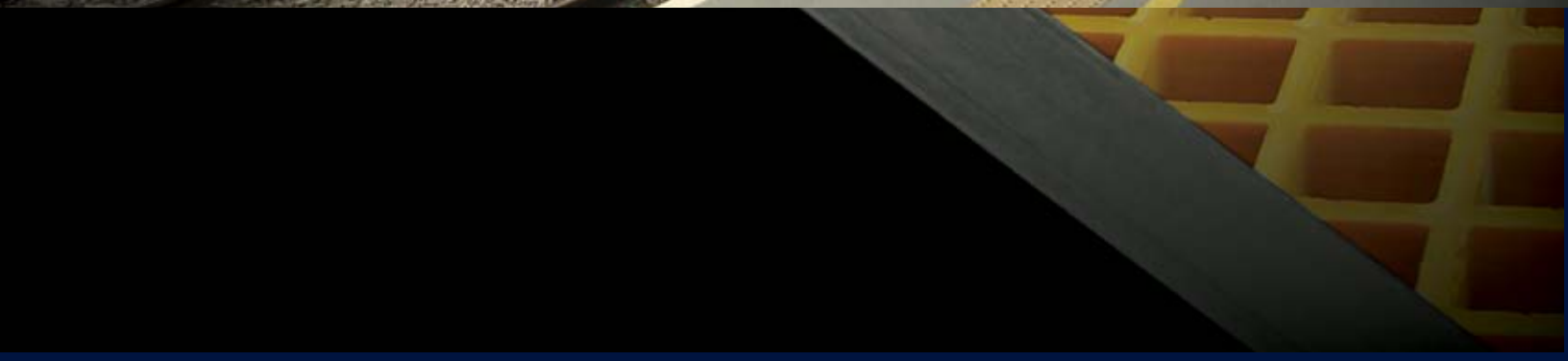
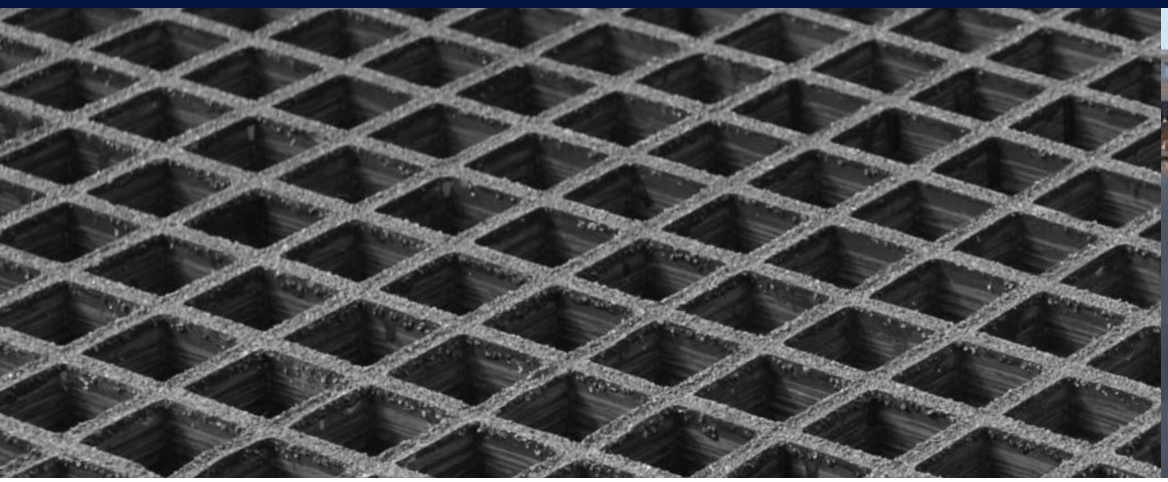
CREATIVE COMPOSITES GROUP

FIBER REINFORCED POLYMER PULTRUDED

Decking, Flooring, Grating & Panel Products



HIGH STRENGTH, LIGHTWEIGHT & CORROSION RESISTANT



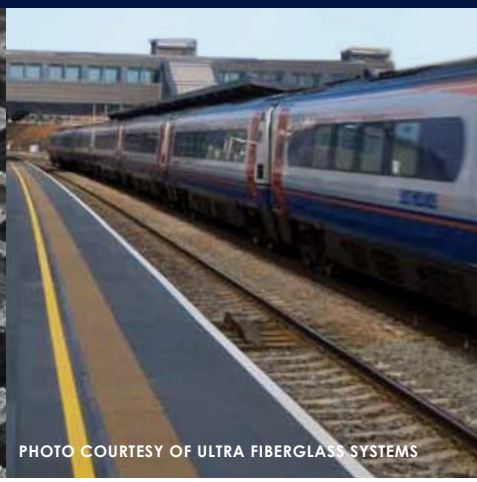


PHOTO COURTESY OF ULTRA FIBERGLASS SYSTEMS

THE COMPANY

Creative Composites Group (CCG) is the world leader in pultrusion manufacturing. Our commitment to continuous process improvement and to become "Best in Class" has transformed CCG into a world renowned pultruder that specializes in pultruding large custom profiles, while utilizing high performance resins in combination with CCG's proprietary high pressure injection process.

Our quality process is based on a strong commitment to continuous improvement in products, service, operations and client satisfaction. It all adds up to the kind of manufacturing experience you would expect from a world-class pultruder that never settles for status quo. CCG can take your project from concept to production. Our staff of talented engineers combined with over 50 years of pultrusion experience makes CCG the right choice to serve you!

OUR HISTORY

The Creative Composites Group consists of the U.S.–based composite companies within Hill and Smith PLC. CCG has vertically integrated all key FRP engineering and manufacturing operations under one brand. As a result, our customers can get comprehensive manufacturing support for molding, pultrusion, filament winding or hand-layup production methods. Our services include comprehensive design, engineering, manufacturing, fabrication and aftermarket support.

WHY YOU SHOULD SPECIFY CREATIVE'S DECKING, FLOORING, GRATING AND PANEL PRODUCTS

Pultruded profiles and systems are specified and purchased extensively to provide the lowest cost solution and the lowest cost of ownership for critical structures around the globe. The superior corrosion resistance and light weight attributes combined with:

- LOWEST INSTALLED COST
- SUPERIOR STRENGTH
- LOW MAINTENANCE
- EASE OF INSTALLATION
- HIGH DIELECTRIC STRENGTH
- LOW EMBODIED ENERGY "GREEN"
- EASE OF FABRICATION

Makes it easy to see why so many engineers and owners are taking advantage of Decking, Flooring, Grating, and Panel Products.

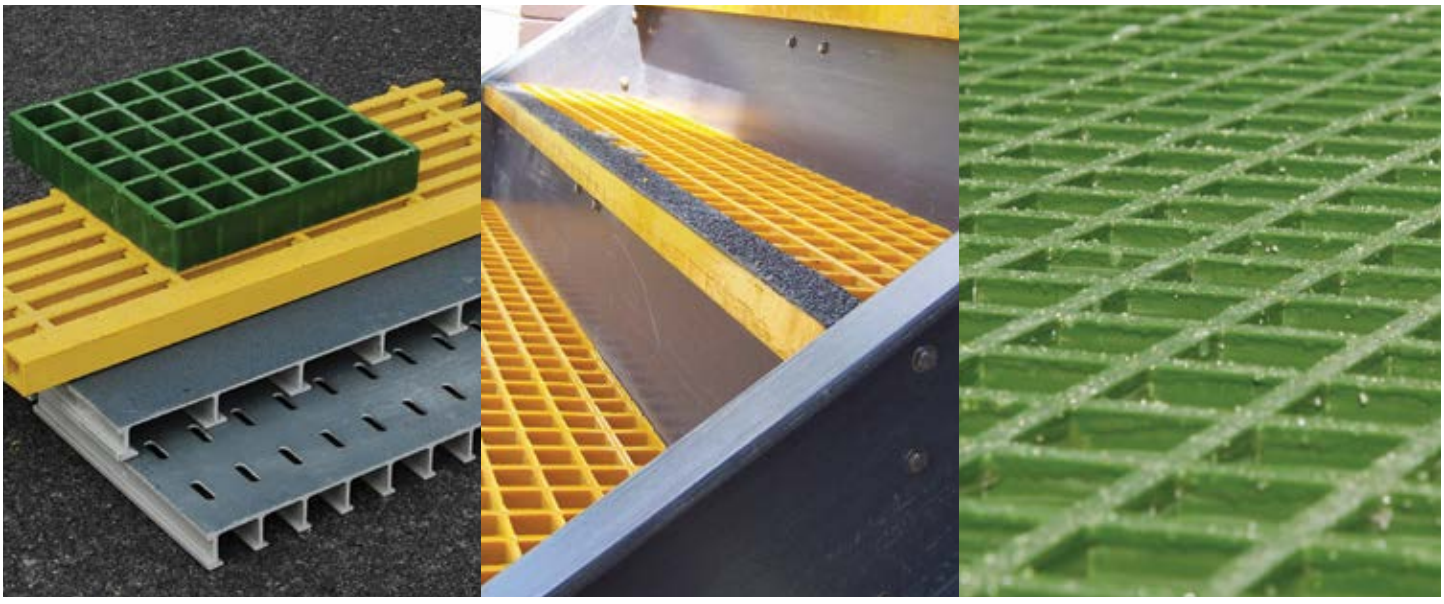


PHOTO COURTESY OF ULTRA FIBERGLASS SYSTEMS

RESIN SELECTIONS

Creative offers three standard resin systems for the decking, flooring, grating and panel products:

- **ISOPHTHALIC POLYESTER (I)**
- **ISOPHTHALIC POLYESTER FIRE RETARDANT (IFR)**
- **VINYL ESTER FIRE RETARDANT (VFR) >**

Proper resin selection is based on the service conditions of your asset and should include the temperature, humidity, chemical environment, and the pH of the liquid or gas in contact with the pultruded profiles. The design dead load as a percentage of the ultimate load should also be considered in the resin selection process. Proper resin selection is paramount to ensuring a long service life of your asset. Creative, with the aid of their resin supplier, provides an extensive list of chemical compatibilities for selecting the proper resin for your project. Visit our web site for the most up to date chemical compatibility chart.

Creative manufactures their profiles with a 10 mil surfacing veil. The surface veil creates a resin barrier that is made up of 75% resin. The resin layer enhances the long term performance of the pultruded product in harsh chemical environments.

Vinyl Ester (VE) Resins are based on bisphenol-A epoxy resin. VE resins provide resistance to a wide range of acids, alkalis, bleaches and solvents for use in many chemical environments. They also offer excellent toughness and fatigue resistance.Isophthalic Polyester (I) resins pultrusions are manufactured for corrosion related applications.

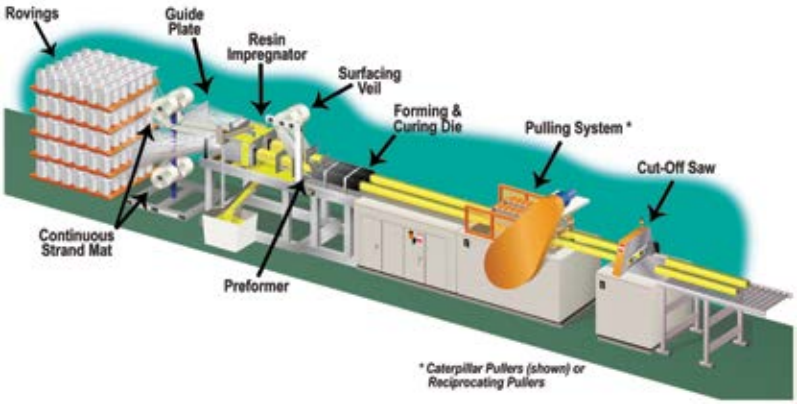
I display excellent structural properties and are resistant to acids, salts, and many dilute chemicals at moderate temperatures. They perform well in acidic environments; however, I pultrusions are not recommended for caustic or alkaline environments.
The pH should be kept below 10.5. Oxidizing environments usually present limitations.

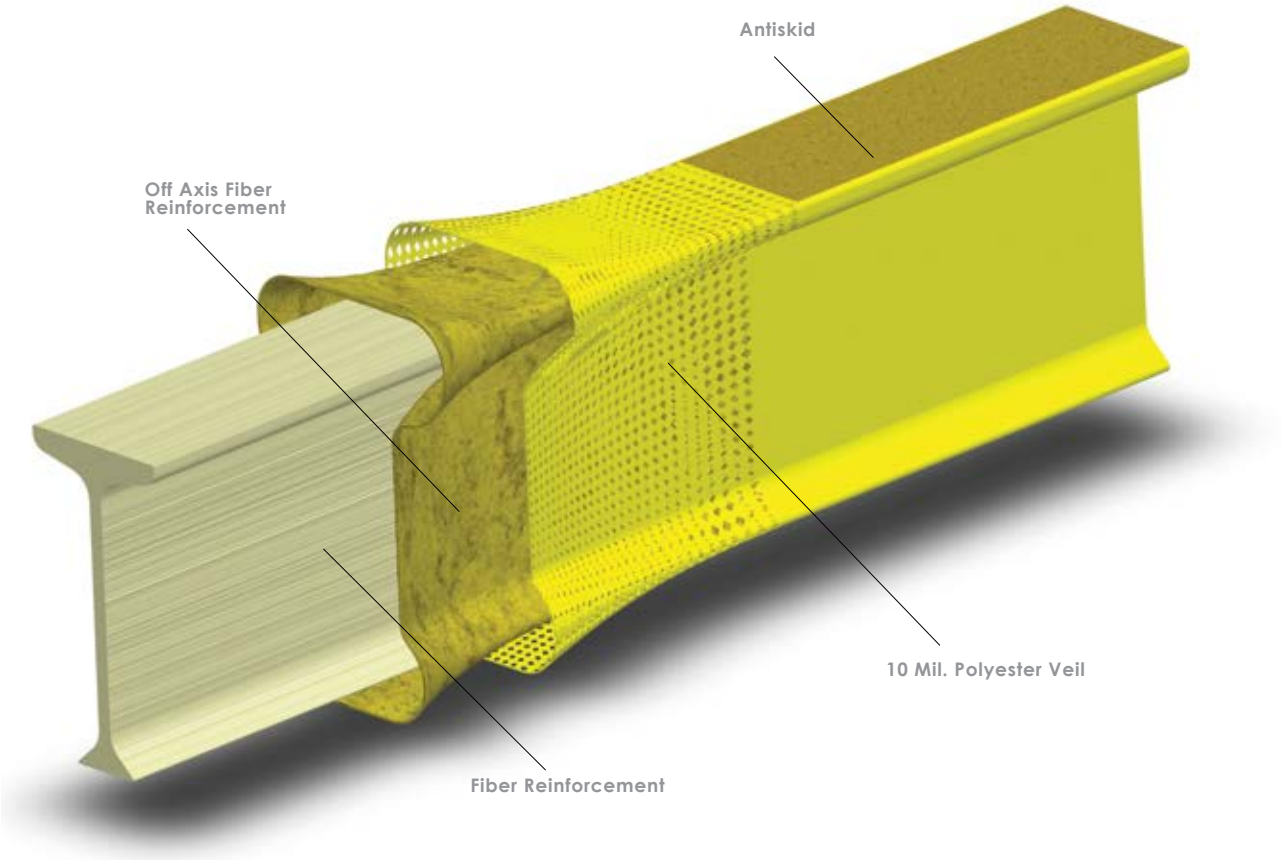
FIRE RETARDANT DECKING, FLOORING, GRATING AND PANEL PRODUCTS PERFORM TO A CLASS 1 FIRE RATING OF 25 OR LESS PER ASTM E-84 AND ARE SELF EXTINGUISHING PER ASTM D-635.

Special colors and resins are available where architectural, chemical, temperature, flame, smoke and toxicity may dictate that our standard systems will not meet your criteria. Creative's highly skilled engineering team can put together an engineered solution to fit your application.

THE PULTRUSION PROCESS

Pultrusion is a continuous manufacturing process utilized to make composite profiles with constant cross-sections whereby reinforcements, in the form of roving and mats, are saturated with resin and guided into a heated die. Once in the die, the resin undergoes a curing process known as polymerization. The once resin saturated reinforcements exit the die in a solid state and in the form of the cross section of the die. The pultrusion process requires little labor and is ideal for mass production of constant cross section profiles.





SUPERPLANK®/ FLOWGRIP®

SuperPlank & FlowGrip products are both pultruded as a single profile in which the top surface and legs are integral to the part. The constant cross section flooring panels offer a unique tongue and groove joint that allows the panels to mechanically lock eliminating vertical movement. This unique feature reduces the number of fasteners and eliminates trip hazards that plague other flooring products without the interlock feature.

The deck sections are available in 19" and 24" wide panels with or without perforations.Typical open areas are 12% open.

FEATURES AND BENEFITS

- Unique tongue and groove interlock increases the speed of installation.
- The 19" and 24" width of the panels increase the speed of installation and reduces hardware cost.
- The solid top panel eliminates the possibility of debris or tools falling though the flooring.
- The solid surface panels can be used for odor control covers.
- The optional open top panel allows for water egress when your design requires it.
- ADA complaint with slot open in widths of 1/2" (13mm) or less.
- The panel is available with a highly durable antiskid wearing surface for enhanced safety.
- The lightweight panels are very strong and corrosion resistant.

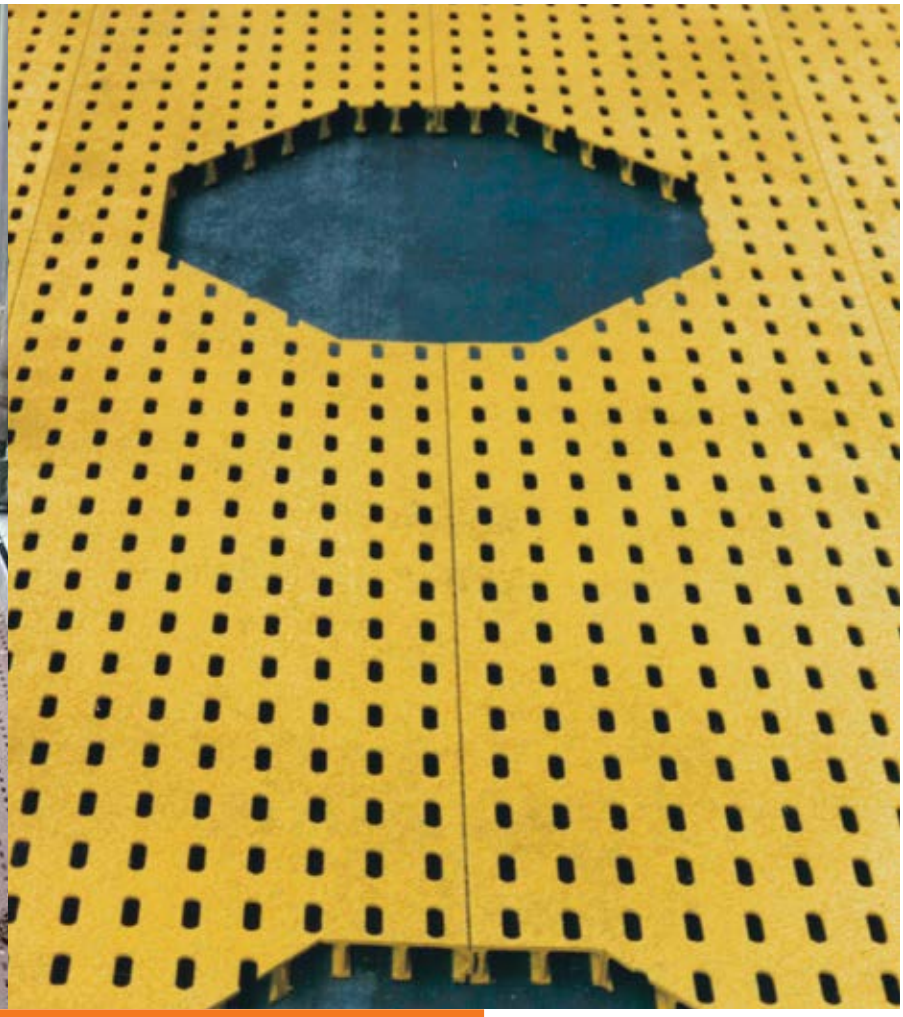
LEFT: PHOTO COURTESY OF PRECISION FIBRE STRUCTURES
CENTER: PHOTO COURTESY OF CLEVELAND BRIDGE

ANTISKID INFORMATION

Creative uses a low-VOC, elastomeric polymer antiskid specially formulated for pedestrian traffic. It yields a sealed and weather-resistant anti-slip surface that meets the requirements of the ADA. Coefficient of Friction Dry1.3, Wet 0.9. (ADA min requirement = .6).

COLOR

Manufactured in dark gray
Note: Special resins, colors and lengths available, contact factory at 888-CPI-PULL.

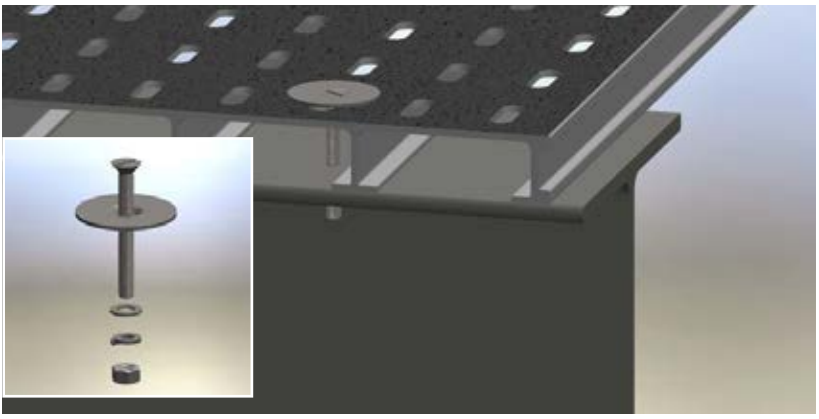


APPLICATIONS

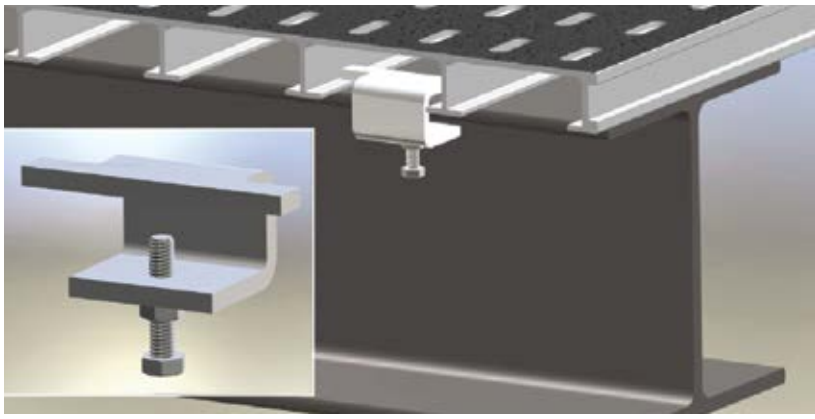
- ADA COMPLIANT RAMP DECKING
- DECKING FOR WALKWAYS + PLATFORMS
- MARINA DOCK DECKING
- COOLING TOWER DECKING
- PEDESTRIAN BRIDGE DECKS
- TRENCH COVERS
- ODOR CONTROL COVERS
- SIDEWALKS
- BAFFLE WALLS
- SCAFFOLDING PLANKS
- TRAILER FLOORING
- CLEAN ROOM FLOORS
- INDUSTRIAL SHOWER FLOORS
- BALCONY DECKING
- ROOF TOP MAINTENANCE ACCESS DECKING

SUPERPLANK® / FLOWGRIP®

SUPERPLANK® / HOLD DOWN OPTIONS



CLK018 Top Surface Mount Assembly

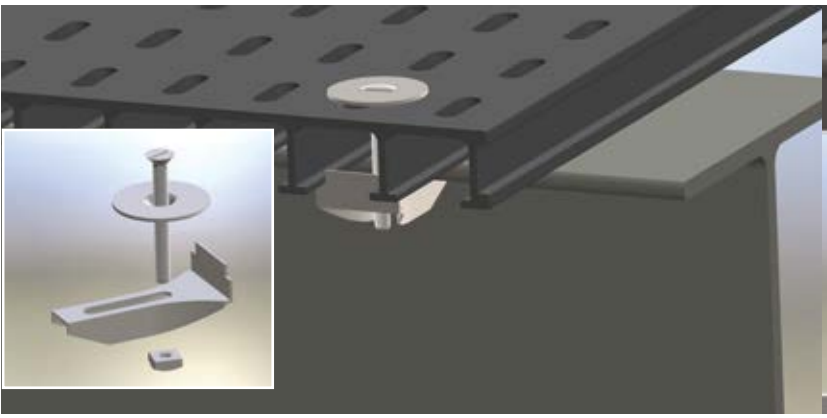


CLK020 Heavy Duty Beam Clip Assembly

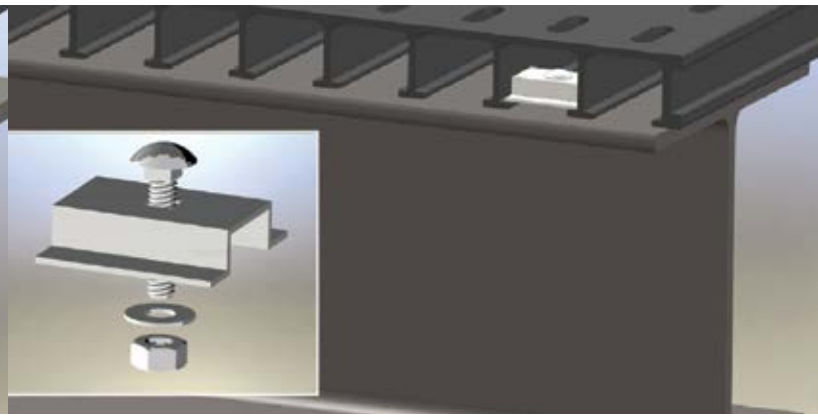
SuperPlank® Hardware		
Item	**Clip Part Number**	**Kit Part Number**
Top Surface Mount Assembly Kit[1]	CLP004[2]	CLK018
Heavy Duty Beam Clip Kit[3]	CLP034	CLK020

[1]Kit includes one each of the bolt, nut, flat washer, lock washer and top washer (CLP004). A 3/4" hole is required for the CLP004 to sit flat on the panel surface.
[2]Kit includes one each of the clip, bolt, and nut.
[3]All hold-down components are 316SS.

FLOWGRIP® / HOLD DOWN OPTIONS



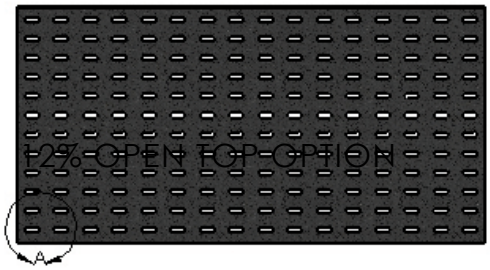
CLK001 Top Clip Assembly



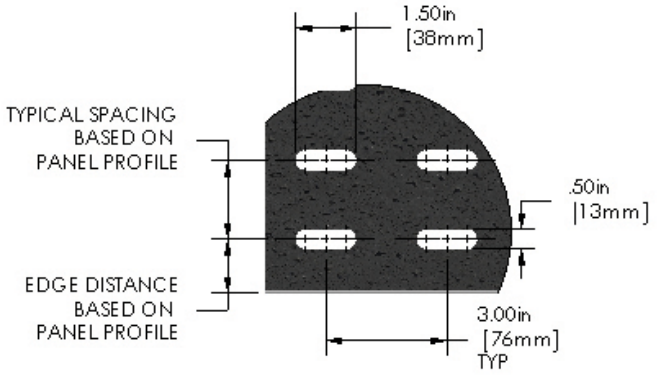
CLK014 Hidden Hold Down Clip Assembly

Flowgrip® Hardware		
Item	**Clip Part Number**	**Kit Part Number**
Top Clip Assembly Kit[1]	CLP001	CLK001
Hidden Hold Down Clip Kit[2]	CLP026	CLK014

[1]Kit includes one each of the clip, bolt, nut and top washer (CLP004). A 3/4" hole is required for the CLP004 to sit flat on the panel surface.
[2]Kit includes one each of the clip, bolt, nut, and flat washer.
[3]All hold-down components are 316SS.

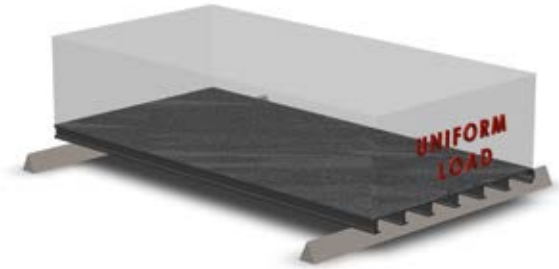


The slot patterns are ADA compliant and are precision milled into the panel. Custom slots available upon request.



Detail A – Typical slot fabrication

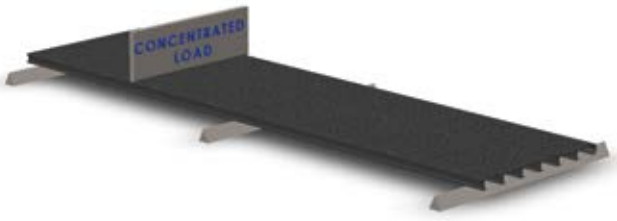
TYPICAL LOAD SCENARIO DEPICTED IN LOAD CHARTS



Uniform load in lbs/ft² or kN/m² equally distributed over a single span deck.

A concentrated load in lbs/ft width of panel or kN/m width of panel concentrated over the mid span of a simple supported deck.

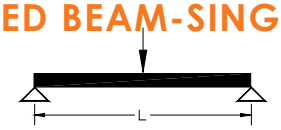
Uniform load in lbs/sqft or kN/m² equally distributed over a multiple spanning deck.

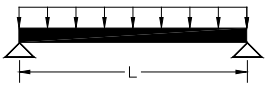


A concentrated load in lbs/ft width of panel or kN/m width of panel concentrated over the mid span of one span of a multiple spanning deck.

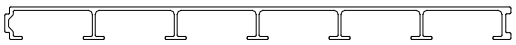
SUPERPLANK® GR205

SIMPLE SUPPORTED BEAM-SINGLE SPAN (SOLID TOP)





Superplank® GR205 Decking
24" wide x 1.5" high
1500/1525/1625 Series



Imperial

E_b = 3.0 Msi | G_b = 0.3 Msi | Characteristic longitudinal compressive strength (F_L^c) = 30,000 psi

I_x = 0.85 in⁴/ft | S_x = 0.80 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 0.72 in²/ft | Weight = 2.55 psf | Solid Top Decking

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	2396	1797	1198	****	****	2415	**12**	****	****	2128	****	****	2415
18	1470	1103	735	****	****	2133	**18**	****	1252	835	****	****	1610
24	954	716	477	****	****	1600	**24**	795	596	397	****	****	1208
30	657	493	329	986	****	1280	**30**	432	324	216	649	****	966
36	476	357	238	595	893	1067	**36**	259	194	130	324	486	711
42	359	269	180	385	577	914	**42**	167	125	83	179	268	522
48	280	210	140	262	394	800	**48**	113	85	57	106	159	400
54	224	168	112	187	280	711	**54**	80	60	40	67	100	316
60	183	137	92	137	206	640	**60**	59	44	30	44	66	256
66	152	114	76	104	156	582	**66**	45	33	22	30	46	212
72	129	96	64	80	121	533	**72**	34	26	17	22	32	178
78	110	82	55	63	95	492	**78**	27	20	14	16	24	151
84	95	71	48	51	76	457	**84**	22	16	11	12	18	131
90	83	62	42	42	62	427	**90**	18	13	9	9	13	114
96	73	55	37	34	51	400	**96**	15	11	7	7	10	100

Metric

E_b = 20.7 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 207 Mpa

I_x = 1.17E-6 m⁴/m | S_x = 4.30E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

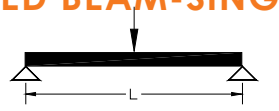
A_w = 1.53E-3 m²/m | Weight = 12.5 kg/m² | Solid Top Decking

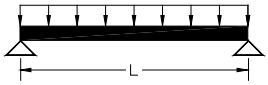
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	31.4	20.9	****	****	35.2	**0.25**	****	****	****	****	****	141.0
0.50	18.9	14.2	9.4	****	****	28.5	**0.50**	63.8	47.9	31.9	****	****	70.5
0.75	9.9	7.4	4.9	14.2	****	19.0	**0.75**	21.6	16.2	10.8	31.2	****	47.0
1.00	5.9	4.4	3.0	6.4	10.6	14.2	**1.00**	9.6	7.2	4.8	10.4	17.3	28.5
1.25	3.9	2.9	1.9	3.4	5.6	11.4	**1.25**	5.0	3.8	2.5	4.4	7.3	18.2
1.50	2.8	2.1	1.4	2.0	3.3	9.5	**1.50**	3.0	2.2	1.5	2.1	3.6	12.7
1.75	2.0	1.5	1.0	1.3	2.1	8.1	**1.75**	1.9	1.4	0.9	1.2	1.9	9.3
2.00	1.6	1.2	0.8	0.9	1.4	7.1	**2.00**	1.3	0.9	0.6	0.7	1.1	7.1
2.25	1.3	0.9	0.6	0.6	1.0	6.3	**2.25**	0.9	0.7	0.4	0.4	0.7	5.6
2.50	1.0	0.8	0.5	0.4	0.7	5.7	**2.50**	0.7	0.5	0.3	0.3	0.5	4.6
2.75	0.8	0.6	0.4	0.3	0.6	5.2	**2.75**	0.5	0.4	0.2	0.2	0.3	3.8
3.00	0.7	0.5	0.4	0.3	0.4	4.7	**3.00**	0.4	0.3	0.2	0.1	0.2	3.2

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERPLANK® GR205

SIMPLE SUPPORTED BEAM-SINGLE SPAN (PERFORATED TOP)





Superplank® GR205 Decking
24" wide x 1.5" high
1500/1525/1625 Series

Imperial

E_b = 3.0 Msi | G_b = 0.3 Msi | Characteristic longitudinal compressive strength (F_L^c) = 30,000 psi

I_x = 0.79 in⁴/ft | S_x = 0.78 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 0.72 in²/ft | Weight = 2.55 psf | 12% Perforated Top

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	2292	1719	1146	****	****	2415	**12**	****	****	2026	****	****	2415
18	1383	1038	692	****	****	2085	**18**	1565	1174	783	****	****	1610
24	890	667	445	****	****	1564	**24**	739	554	369	****	****	1208
30	610	457	305	915	****	1251	**30**	400	300	200	601	901	966
36	440	330	220	551	826	1043	**36**	239	179	120	299	449	695
42	332	249	166	355	533	894	**42**	154	115	77	165	247	511
48	258	194	129	242	363	782	**48**	104	78	52	98	147	391
54	206	155	103	172	258	695	**54**	74	55	37	62	92	309
60	168	126	84	126	189	626	**60**	54	41	27	41	61	250
66	140	105	70	95	143	569	**66**	41	31	20	28	42	207
72	118	89	59	74	111	521	**72**	32	24	16	20	30	174
78	101	76	51	58	87	481	**78**	25	19	12	14	22	148
84	87	66	44	47	70	447	**84**	20	15	10	11	16	128
90	76	57	38	38	57	417	**90**	16	12	8	8	12	111
96	67	50	34	32	47	391	**96**	13	10	7	6	9	98

Metric

E_b = 20.7 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 207 Mpa

I_x = 1.07E-6 m⁴/m | S_x = 4.20E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

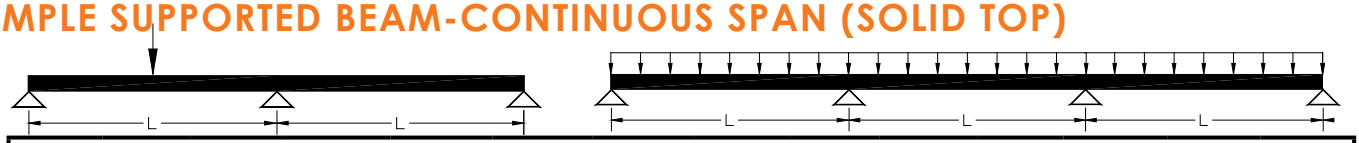
A_w = 1.53E-3 m²/m | Weight = 12.5 kg/m² | 12% Perforated Top

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	30.3	20.2	****	****	35.2	**0.25**	****	****	****	****	****	141.0
0.50	17.7	13.3	8.9	****	****	27.8	**0.50**	59.7	44.8	29.8	****	****	70.5
0.75	9.1	6.9	4.6	13.2	****	18.6	**0.75**	20.0	15.0	10.0	28.9	****	47.0
1.00	5.5	4.1	2.7	5.9	9.8	13.9	**1.00**	8.9	6.7	4.4	9.6	16.0	27.8
1.25	3.6	2.7	1.8	3.1	5.2	11.1	**1.25**	4.6	3.5	2.3	4.0	6.7	17.8
1.50	2.5	1.9	1.3	1.8	3.0	9.3	**1.50**	2.7	2.0	1.4	2.0	3.3	12.4
1.75	1.9	1.4	0.9	1.2	1.9	8.0	**1.75**	1.7	1.3	0.9	1.1	1.8	9.1
2.00	1.4	1.1	0.7	0.8	1.3	7.0	**2.00**	1.2	0.9	0.6	0.6	1.0	7.0
2.25	1.1	0.9	0.6	0.6	0.9	6.2	**2.25**	0.8	0.6	0.4	0.4	0.7	5.5
2.50	0.9	0.7	0.5	0.4	0.7	5.6	**2.50**	0.6	0.4	0.3	0.3	0.4	4.5
2.75	0.8	0.6	0.4	0.3	0.5	5.1	**2.75**	0.5	0.3	0.2	0.2	0.3	3.7
3.00	0.7	0.5	0.3	0.2	0.4	4.6	**3.00**	0.3	0.3	0.2	0.1	0.2	3.1

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERPLANK® GR205

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN (SOLID TOP)



Superplank® GR205 Decking
24" wide x 1.5" high
1500/1525/1625 Series

Imperial

E_b = 3.0 Msi | G_b = 0.3 Msi | Characteristic longitudinal compressive strength (F_L^c) = 30,000 psi

I_x = 0.85 in⁴/ft | S_x = 0.80 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 0.72 in²/ft | Weight = 2.55 psf | Solid Top Decking

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	1395	****	****	2034	**12**	****	****	****	****	****	2013
18	1826	1369	913	****	****	2034	**18**	****	****	1281	****	****	1342
24	1231	923	615	****	****	1969	**24**	****	981	654	****	****	1006
30	867	650	434	1301	****	1576	**30**	742	557	371	****	****	805
36	637	478	319	796	1195	1313	**36**	456	342	228	571	****	671
42	485	364	243	520	780	1125	**42**	299	224	149	320	480	575
48	380	285	190	357	535	985	**48**	205	154	103	192	289	500
54	306	229	153	255	382	875	**54**	147	110	73	122	183	395
60	250	188	125	188	282	788	**60**	108	81	54	81	122	320
66	209	157	104	142	214	716	**66**	82	62	41	56	84	264
72	177	133	88	110	166	656	**72**	64	48	32	40	60	222
78	151	114	76	87	131	606	**78**	51	38	25	29	44	189
84	131	98	66	70	105	563	**84**	41	30	20	22	33	163
90	115	86	57	57	86	525	**90**	33	25	17	17	25	142
96	101	76	51	47	71	492	**96**	27	21	14	13	19	125

Metric

E_b = 20.7 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 207 Mpa

I_x = 1.17E-6 m⁴/m | S_x = 4.30E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

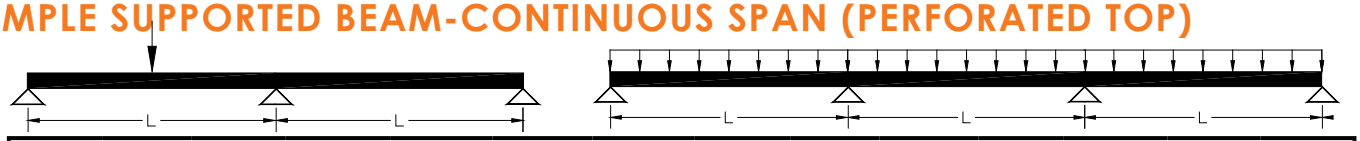
A_w = 1.53E-3 m²/m | Weight = 12.5 kg/m² | Solid Top Decking

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	23.6	****	****	29.7	**0.25**	****	****	****	****	****	117.5
0.50	23.8	17.8	11.9	****	****	29.7	**0.50**	****	****	50.2	****	****	58.7
0.75	13.0	9.7	6.5	18.7	****	23.4	**0.75**	37.0	27.8	18.5	****	****	39.2
1.00	7.9	6.0	4.0	8.6	14.3	17.5	**1.00**	17.1	12.8	8.6	18.5	****	29.4
1.25	5.3	4.0	2.7	4.6	7.6	14.0	**1.25**	9.2	6.9	4.6	7.9	13.2	22.8
1.50	3.8	2.8	1.9	2.7	4.5	11.7	**1.50**	5.4	4.1	2.7	3.9	6.5	15.8
1.75	2.8	2.1	1.4	1.7	2.9	10.0	**1.75**	3.5	2.6	1.7	2.1	3.6	11.6
2.00	2.2	1.6	1.1	1.2	2.0	8.8	**2.00**	2.4	1.8	1.2	1.3	2.1	8.9
2.25	1.7	1.3	0.9	0.8	1.4	7.8	**2.25**	1.7	1.2	0.8	0.8	1.3	7.0
2.50	1.4	1.1	0.7	0.6	1.0	7.0	**2.50**	1.2	0.9	0.6	0.5	0.9	5.7
2.75	1.2	0.9	0.6	0.5	0.8	6.4	**2.75**	0.9	0.7	0.5	0.4	0.6	4.7
3.00	1.0	0.7	0.5	0.4	0.6	5.8	**3.00**	0.7	0.5	0.4	0.3	0.4	4.0

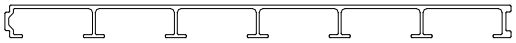
Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERPLANK® GR205

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN (PERFORATED TOP)



Superplank® GR205 Decking
24" wide x 1.5" high
1500/1525/1625 Series



Imperial

E_b = 3.0 Msi | G_b = 0.3 Msi | Characteristic longitudinal compressive strength (F_L^c) = 30,000 psi

I_x = 0.79 in⁴/ft | S_x = 0.78 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 0.72 in²/ft | Weight = 2.55 psf | 12% Perforated Top

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	2016	1344	****	****	2034	**12**	****	****	****	****	****	2013
18	1729	1297	864	****	****	2034	**18**	***	****	1215	****	****	1342
24	1153	865	577	****	****	1925	**24**	****	921	614	****	****	1006
30	807	605	404	1211	****	1540	**30**	692	519	346	****	****	805
36	591	443	295	739	1108	1283	**36**	424	318	212	530	****	671
42	449	336	224	481	721	1100	**42**	276	207	138	296	444	575
48	351	263	176	329	494	963	**48**	190	142	95	178	267	489
54	282	211	141	235	352	856	**54**	135	102	68	113	169	386
60	231	173	115	173	260	770	**60**	100	75	50	75	112	313
66	192	144	96	131	197	700	**66**	76	57	38	52	77	259
72	163	122	81	102	152	642	**72**	59	44	29	37	55	217
78	139	104	70	80	121	592	**78**	46	35	23	27	40	185
84	121	90	60	65	97	550	**84**	37	28	19	20	30	160
90	105	79	53	53	79	513	**90**	30	23	15	15	23	139
96	93	70	46	44	65	481	**96**	25	19	13	12	18	122

Metric

E_b = 20.7 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 207 Mpa

I_x = 1.07E-6 m⁴/m | S_x = 4.20E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

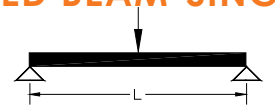
A_w = 1.53E-3 m²/m | Weight = 12.5 kg/m² | 12% Perforated Top

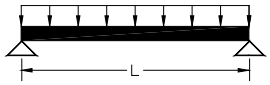
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	22.9	****	****	29.7	**0.25**	****	****	****	****	****	117.5
0.50	22.4	16.8	11.2	****	****	29.7	**0.50**	****	****	47.4	****	****	58.7
0.75	12.1	9.1	6.0	17.4	****	22.8	**0.75**	34.5	25.9	17.3	****	****	39.2
1.00	7.4	5.5	3.7	7.9	13.2	17.1	**1.00**	15.8	11.9	7.9	17.1	28.5	29.4
1.25	4.9	3.7	2.4	4.2	7.0	13.7	**1.25**	8.5	6.3	4.2	7.3	12.2	22.3
1.50	3.5	2.6	1.7	2.5	4.2	11.4	**1.50**	5.0	3.8	2.5	3.6	6.0	15.5
1.75	2.6	1.9	1.3	1.6	2.7	9.8	**1.75**	3.2	2.4	1.6	2.0	3.3	11.4
2.00	2.0	1.5	1.0	1.1	1.8	8.6	**2.00**	2.2	1.6	1.1	1.2	1.9	8.7
2.25	1.6	1.2	0.8	0.8	1.3	7.6	**2.25**	1.5	1.1	0.8	0.7	1.2	6.9
2.50	1.3	1.0	0.6	0.6	0.9	6.9	**2.50**	1.1	0.8	0.6	0.5	0.8	5.6
2.75	1.1	0.8	0.5	0.4	0.7	6.2	**2.75**	0.8	0.6	0.4	0.3	0.6	4.6
3.00	0.9	0.7	0.5	0.3	0.5	5.7	**3.00**	0.7	0.5	0.3	0.2	0.4	3.9

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

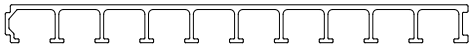
FLOWGRIP® GR202

SIMPLE SUPPORTED BEAM-SINGLE SPAN (SOLID TOP)





Flowgrip® GR202 Decking
19.685" wide x 1.575" high
1500/1525/1625 Series



Imperial

E_b = 2.8 Msi | G_b = 0.30 Msi | Characteristic longitudinal compressive strength (F_L^c) = 30,000 psi

I_x = 1.30 in^4/ft | S_x = 1.22 in^3/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 1.45 in^2/ft | Weight = 3.46 psf | Solid Top Decking

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	3971	2979	1986	****	****	4833	**12**	*****	****	3462	****	****	4833
18	2287	1715	1144	****	****	3253	**18**	*****	1921	1280	****	****	3222
24	1435	1076	718	****	****	2440	**24**	1183	887	592	2218	****	2417
30	970	728	485	1455	****	1952	**30**	634	475	317	951	1426	1562
36	695	521	348	869	1303	1627	**36**	376	282	188	470	705	1084
42	521	390	260	558	837	1394	**42**	241	180	120	258	387	797
48	404	303	202	378	568	1220	**48**	163	122	81	153	229	610
54	322	241	161	268	402	1084	**54**	115	86	58	96	144	482
60	262	197	131	197	295	976	**60**	84	63	42	63	95	390
66	218	163	109	149	223	887	**66**	64	48	32	43	65	323
72	184	138	92	115	172	813	**72**	49	37	25	31	46	271
78	157	118	78	91	136	751	**78**	39	29	19	22	34	231
84	136	102	68	73	109	697	**84**	31	23	16	17	25	199
90	118	89	59	59	89	651	**90**	25	19	13	13	19	174
96	104	78	52	49	73	610	**96**	21	16	10	10	15	153

Metric

E_b = 19.3 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 207 Mpa

I_x = 1.8E-6 m^4/m | S_x = 6.6E-5 m^3/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

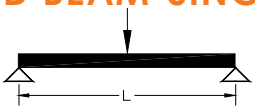
A_w = 3.1E-3 m^2/m | Weight = 16.9 kg/m^2 | Solid Top Decking

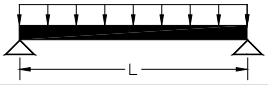
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	53.9	35.9	****	****	70.5	**0.25**	****	****	255.8	****	****	282.1
0.50	29.0	21.8	14.5	****	****	43.4	**0.50**	96.9	72.7	48.4	****	****	141.1
0.75	14.6	10.9	7.3	21.0	****	28.9	**0.75**	31.7	23.8	15.9	45.7	76.2	77.2
1.00	8.6	6.4	4.3	9.3	15.4	21.7	**1.00**	13.9	10.4	7.0	15.0	25.0	43.4
1.25	5.6	4.2	2.8	4.9	8.1	17.4	**1.25**	7.2	5.4	3.6	6.3	10.4	27.8
1.50	3.9	3.0	2.0	2.8	4.7	14.5	**1.50**	4.2	3.2	2.1	3.0	5.1	19.3
1.75	2.9	2.2	1.5	1.8	3.0	12.4	**1.75**	2.7	2.0	1.3	1.7	2.8	14.2
2.00	2.2	1.7	1.1	1.2	2.0	10.9	**2.00**	1.8	1.4	0.9	1.0	1.6	10.9
2.25	1.8	1.3	0.9	0.9	1.4	9.6	**2.25**	1.3	1.0	0.6	0.6	1.0	8.6
2.50	1.4	1.1	0.7	0.6	1.0	8.7	**2.50**	0.9	0.7	0.5	0.4	0.7	6.9
2.75	1.2	0.9	0.6	0.5	0.8	7.9	**2.75**	0.7	0.5	0.3	0.3	0.5	5.7
3.00	1.0	0.8	0.5	0.4	0.6	7.2	**3.00**	0.5	0.4	0.3	0.2	0.3	4.8

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

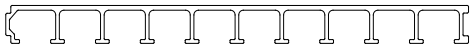
FLOWGRIP® GR202

SIMPLE SUPPORTED BEAM-SINGLE SPAN (PERFORATED TOP)





Flowgrip® GR202 Decking
19.685" wide x 1.575" high
1500/1525/1625 Series



Imperial

E_b = 2.8 Msi | G_b = 0.30 Msi | Characteristic longitudinal compressive strength (F_L^c) = 30,000 psi

I_x = 1.18 in4/ft | S_x = 1.18 in^3/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 1.45 in2/ft | Weight = 3.1 psf | 12% Perforated Top

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft^2)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	3744	2808	1872	****	****	4715	**12**	****	****	3247	****	****	4833
18	2120	1590	1060	****	****	3143	**18**	2366	1774	1183	****	****	3222
24	1319	990	660	****	****	2357	**24**	1085	814	543	2035	****	2357
30	888	666	444	1332	****	1886	**30**	579	434	289	868	1303	1509
36	635	476	317	793	1190	1572	**36**	343	257	171	429	643	1048
42	474	356	237	508	762	1347	**42**	219	164	110	235	352	770
48	367	276	184	344	517	1179	**48**	148	111	74	139	208	589
54	293	220	146	244	366	1048	**54**	105	79	52	87	131	466
60	238	179	119	179	268	943	**60**	77	58	38	58	86	377
66	198	148	99	135	202	857	**66**	58	43	29	39	59	312
72	167	125	83	104	156	786	**72**	45	33	22	28	42	262
78	143	107	71	82	123	725	**78**	35	26	18	20	30	223
84	123	92	62	66	99	674	**84**	28	21	14	15	23	192
90	107	81	54	54	81	629	**90**	23	17	11	11	17	168
96	95	71	47	44	66	589	**96**	19	14	9	9	13	147

Metric

E_b = 19.3 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 207 Mpa

I_x = 1.6E-6 m^4/m | S_x = 6.3E-5 m^3/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

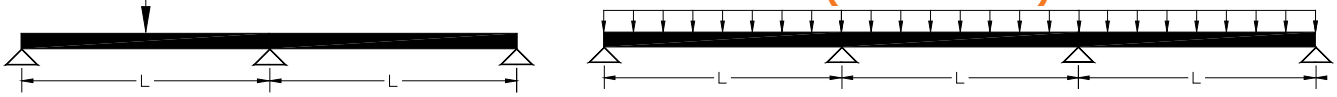
A_w = 3.1E-3 m^2/m | Weight = 15.1 kg/m^2 | 12% Perforated Top

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m^2)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	68.3	51.3	34.2	****	****	70.5	**0.25**	****	****	242.2	****	****	282.1
0.50	26.8	20.1	13.4	****	****	41.9	**0.50**	89.3	67.0	44.6	****	****	141.1
0.75	13.3	10.0	6.7	19.2	****	28.0	**0.75**	29.0	21.8	14.5	41.8	69.6	74.6
1.00	7.8	5.9	3.9	8.5	14.1	21.0	**1.00**	12.7	9.5	6.3	13.7	22.8	41.9
1.25	5.1	3.8	2.6	4.4	7.4	16.8	**1.25**	6.6	4.9	3.3	5.7	9.5	26.8
1.50	3.6	2.7	1.8	2.6	4.3	14.0	**1.50**	3.8	2.9	1.9	2.8	4.6	18.6
1.75	2.7	2.0	1.3	1.6	2.7	12.0	**1.75**	2.4	1.8	1.2	1.5	2.5	13.7
2.00	2.0	1.5	1.0	1.1	1.8	10.5	**2.00**	1.6	1.2	0.8	0.9	1.5	10.5
2.25	1.6	1.2	0.8	0.8	1.3	9.3	**2.25**	1.2	0.9	0.6	0.6	0.9	8.3
2.50	1.3	1.0	0.7	0.6	0.9	8.4	**2.50**	0.8	0.6	0.4	0.4	0.6	6.7
2.75	1.1	0.8	0.5	0.4	0.7	7.6	**2.75**	0.6	0.5	0.3	0.2	0.4	5.5
3.00	0.9	0.7	0.5	0.3	0.5	7.0	**3.00**	0.5	0.4	0.2	0.2	0.3	4.7

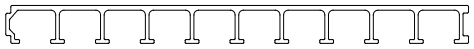
Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

FLOWGRIP® GR202

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN (SOLID TOP)



Flowgrip® GR202 Decking
19.685" wide x 1.575" high
1500/1525/1625 Series



Imperial

E_b = 2.8 Msi | G_b = 0.30 Msi | Characteristic longitudinal compressive strength (F_L^c) = 30,000 psi

I_x = 1.30 in⁴/ft | S_x = 1.22 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 1.45 in²/ft | Weight = 3.46 psf | Solid Top Decking

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	2378	****	****	4070	**12**	****	****	****	****	****	4028
18	2909	2182	1454	****	****	4005	**18**	****	****	2054	****	****	2685
24	1884	1413	942	****	****	3003	**24**	****	1511	1007	****	****	2014
30	1297	973	648	1945	****	2403	**30**	1115	836	557	****	****	1611
36	939	704	470	1174	1761	2002	**36**	675	506	337	844	****	1343
42	708	531	354	759	1138	1716	**42**	437	328	219	468	703	996
48	552	414	276	517	776	1502	**48**	298	224	149	280	420	763
54	441	331	221	368	552	1335	**54**	212	159	106	177	265	602
60	361	270	180	270	406	1201	**60**	156	117	78	117	176	488
66	300	225	150	204	307	1092	**66**	118	89	59	81	121	403
72	253	190	127	158	237	1001	**72**	92	69	46	57	86	339
78	217	162	108	125	187	924	**78**	72	54	36	42	63	289
84	187	141	94	100	151	858	**84**	58	44	29	31	47	249
90	164	123	82	82	123	801	**90**	47	36	24	24	36	217
96	144	108	72	68	101	751	**96**	39	29	20	18	27	191

Metric

E_b = 19.3 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 207 Mpa

I_x = 1.8E-6 m⁴/m | S_x = 6.6E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

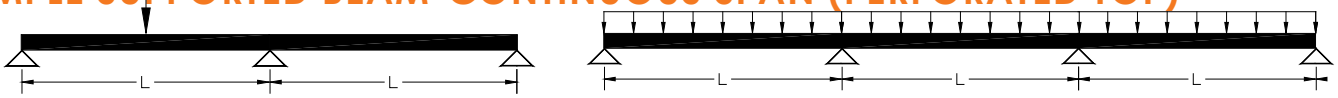
A_w = 3.1E-3 m²/m | Weight = 16.9 kg/m² | Solid Top Decking

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	41.6	****	****	59.4	**0.25**	****	****	****	****	****	235.1
0.50	37.3	28.0	18.7	****	****	53.4	**0.50**	****	****	79.3	****	****	117.6
0.75	19.5	14.6	9.7	28.0	****	35.6	**0.75**	55.7	41.8	27.9	****	****	78.4
1.00	11.6	8.7	5.8	12.6	21.0	26.7	**1.00**	25.1	18.9	12.6	27.1	45.2	54.3
1.25	7.7	5.8	3.8	6.6	11.1	21.4	**1.25**	13.3	10.0	6.6	11.5	19.1	34.7
1.50	5.4	4.1	2.7	3.9	6.5	17.8	**1.50**	7.8	5.9	3.9	5.6	9.4	24.1
1.75	4.0	3.0	2.0	2.5	4.1	15.3	**1.75**	5.0	3.7	2.5	3.1	5.1	17.7
2.00	3.1	2.3	1.6	1.7	2.8	13.4	**2.00**	3.4	2.5	1.7	1.8	3.0	13.6
2.25	2.5	1.8	1.2	1.2	2.0	11.9	**2.25**	2.4	1.8	1.2	1.1	1.9	10.7
2.50	2.0	1.5	1.0	0.9	1.4	10.7	**2.50**	1.7	1.3	0.9	0.8	1.3	8.7
2.75	1.7	1.2	0.8	0.7	1.1	9.7	**2.75**	1.3	1.0	0.7	0.5	0.9	7.2
3.00	1.4	1.0	0.7	0.5	0.8	8.9	**3.00**	1.0	0.8	0.5	0.4	0.6	6.0

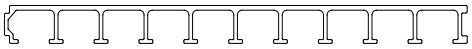
Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

FLOWGRIP® GR202

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN (PERFORATED TOP)



Flowgrip® GR202 Decking
19.685" wide x 1.575" high
1500/1525/1625 Series



Imperial

E_b = 2.8 Msi | G_b = 0.30 Msi | Characteristic longitudinal compressive strength (F_L^c) = 30,000 psi

I_x = 1.18 in⁴/ft | S_x = 1.18 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 1.45 in²/ft | Weight = 3.1 psf | 12% Perforated Top

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	3390	2260	****	****	4070	**12**	****	****	****	****	****	4028
18	2714	2035	1357	****	****	3869	**18**	****	****	1920	****	****	2685
24	1740	1305	870	****	****	2902	**24**	1862	1397	931	****	****	2014
30	1191	893	595	1786	****	2321	**30**	1025	768	512	1537	****	1611
36	859	644	430	1074	1611	1935	**36**	618	463	309	772	1159	1310
42	647	485	323	693	1039	1658	**42**	399	299	200	428	642	962
48	503	377	251	472	707	1451	**48**	272	204	136	255	383	737
54	402	301	201	335	502	1290	**54**	193	145	97	161	242	582
60	328	246	164	246	369	1161	**60**	142	107	71	107	160	471
66	273	205	136	186	279	1055	**66**	108	81	54	73	110	390
72	230	173	115	144	216	967	**72**	83	62	42	52	78	327
78	197	148	98	114	170	893	**78**	66	49	33	38	57	279
84	170	128	85	91	137	829	**84**	53	40	26	28	42	241
90	149	111	74	74	111	774	**90**	43	32	22	22	32	210
96	131	98	65	61	92	725	**96**	36	27	18	17	25	184

Metric

E_b = 19.3 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 207 Mpa

I_x = 1.6E-6 m⁴/m | S_x = 6.3E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

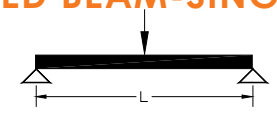
A_w = 3.1E-3 m²/m | Weight = 15.1 kg/m² | 12% Perforated Top

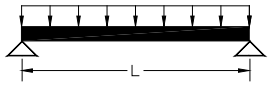
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	39.9	****	****	59.4	**0.25**	****	****	****	****	****	235.1
0.50	34.7	26.0	17.4	****	****	51.6	**0.50**	****	110.8	73.9	****	****	117.6
0.75	17.9	13.4	8.9	25.7	****	34.4	**0.75**	51.2	38.4	25.6	73.8	****	78.4
1.00	10.6	8.0	5.3	11.5	19.2	25.8	**1.00**	23.0	17.2	11.5	24.8	41.4	52.4
1.25	7.0	5.3	3.5	6.0	10.1	20.7	**1.25**	12.1	9.1	6.1	10.5	17.5	33.6
1.50	4.9	3.7	2.5	3.6	5.9	17.2	**1.50**	7.1	5.3	3.6	5.1	8.6	23.3
1.75	3.7	2.7	1.8	2.3	3.8	14.8	**1.75**	4.5	3.4	2.3	2.8	4.7	17.1
2.00	2.8	2.1	1.4	1.5	2.5	12.9	**2.00**	3.1	2.3	1.5	1.7	2.8	13.1
2.25	2.2	1.7	1.1	1.1	1.8	11.5	**2.25**	2.2	1.6	1.1	1.0	1.7	10.4
2.50	1.8	1.4	0.9	0.8	1.3	10.3	**2.50**	1.6	1.2	0.8	0.7	1.1	8.4
2.75	1.5	1.1	0.8	0.6	1.0	9.4	**2.75**	1.2	0.9	0.6	0.5	0.8	6.9
3.00	1.3	1.0	0.6	0.5	0.8	8.6	**3.00**	0.9	0.7	0.5	0.3	0.6	5.8

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

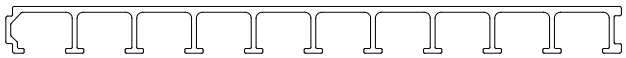
FLOWGRIP® GR200

SIMPLE SUPPORTED BEAM-SINGLE SPAN (SOLID TOP)





Flowgrip® GR200 Decking
23.62" wide x 1.575" high
1500/1525/1625 Series



Imperial

E_b = 2.8 Msi | G_b = 0.30 Msi | Characteristic longitudinal compressive strength (F_L^c) = 30,000 psi

I_x = 1.18 in^4/ft | S_x = 1.12 in^3/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 1.29 in^2/ft | Weight = 3.46 psf | Solid Top Decking

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft^2)						
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	3575	2681	1788	****	****	4300	**12**	*****	****	3119	****	****	4300
18	2066	1550	1033	****	****	2987	**18**	*****	1736	1158	****	****	2867
24	1299	974	649	****	****	2240	**24**	1071	803	536	2009	****	2150
30	879	659	439	1318	****	1792	**30**	574	431	287	861	1292	1434
36	630	473	315	788	1181	1493	**36**	341	256	171	426	639	996
42	472	354	236	506	759	1280	**42**	218	164	109	234	351	731
48	366	275	183	343	515	1120	**48**	148	111	74	138	208	560
54	292	219	146	243	365	996	**54**	104	78	52	87	131	442
60	238	178	119	178	268	896	**60**	77	57	38	57	86	358
66	198	148	99	135	202	815	**66**	58	43	29	39	59	296
72	167	125	83	104	156	747	**72**	45	33	22	28	42	249
78	142	107	71	82	123	689	**78**	35	26	18	20	30	212
84	123	92	62	66	99	640	**84**	28	21	14	15	23	183
90	107	81	54	54	81	597	**90**	23	17	11	11	17	159
96	95	71	47	44	66	560	**96**	19	14	9	9	13	140

Metric

E_b = 19.3 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 207 Mpa

I_x = 1.6E-6 m^4/m | S_x = 6.0E-5 m3/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

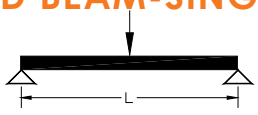
A_w = 2.7E-3 m^2/m | Weight = 16.9 kg/m^2 | Solid Top Decking

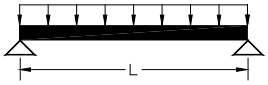
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m^2)						
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	48.4	32.3	****	****	62.8	**0.25**	****	****	230.1	****	****	251.0
0.50	26.2	19.7	13.1	****	****	39.9	**0.50**	87.6	65.7	43.8	****	****	125.5
0.75	13.2	9.9	6.6	19.0	****	26.6	**0.75**	28.8	21.6	14.4	41.4	69.0	70.9
1.00	7.8	5.8	3.9	8.4	14.0	19.9	**1.00**	12.6	9.5	6.3	13.6	22.7	39.9
1.25	5.1	3.8	2.5	4.4	7.3	15.9	**1.25**	6.6	4.9	3.3	5.7	9.5	25.5
1.50	3.6	2.7	1.8	2.6	4.3	13.3	**1.50**	3.8	2.9	1.9	2.8	4.6	17.7
1.75	2.7	2.0	1.3	1.6	2.7	11.4	**1.75**	2.4	1.8	1.2	1.5	2.5	13.0
2.00	2.0	1.5	1.0	1.1	1.8	10.0	**2.00**	1.6	1.2	0.8	0.9	1.5	10.0
2.25	1.6	1.2	0.8	0.8	1.3	8.9	**2.25**	1.2	0.9	0.6	0.6	0.9	7.9
2.50	1.3	1.0	0.7	0.6	0.9	8.0	**2.50**	0.8	0.6	0.4	0.4	0.6	6.4
2.75	1.1	0.8	0.5	0.4	0.7	7.2	**2.75**	0.6	0.5	0.3	0.2	0.4	5.3
3.00	0.9	0.7	0.5	0.3	0.5	6.6	**3.00**	0.5	0.4	0.2	0.2	0.3	4.4

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

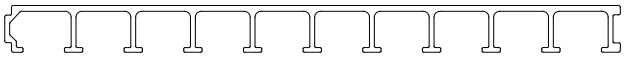
FLOWGRIP® GR200

SIMPLE SUPPORTED BEAM-SINGLE SPAN (PERFORATED TOP)





Flowgrip® GR200 Decking
23.62" wide x 1.575" high
1500/1525/1625 Series



Imperial

E_b = 2.8 Msi | G_b = 0.30 Msi | Characteristic longitudinal compressive strength (F_L^c) = 30,000 psi

I_x = 1.07 in⁴/ft | S_x = 1.09 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 1.29 in²/ft | Weight = 3.1 psf | 12% Perforated Top

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	3372	2529	1686	****	****	4300	**12**	****	****	2928	****	****	4300
18	1916	1437	958	****	****	2907	**18**	2139	1605	1070	****	****	2867
24	1194	896	597	****	****	2180	**24**	983	737	491	1843	****	2150
30	805	603	402	1207	****	1744	**30**	525	394	262	787	1181	1395
36	575	431	288	719	1079	1453	**36**	311	233	155	389	583	969
42	430	323	215	461	691	1246	**42**	199	149	99	213	319	712
48	333	250	167	312	469	1090	**48**	134	101	67	126	189	545
54	266	199	133	221	332	969	**54**	95	71	47	79	119	431
60	216	162	108	162	243	872	**60**	70	52	35	52	78	349
66	180	135	90	122	184	793	**66**	52	39	26	36	54	288
72	151	114	76	95	142	727	**72**	41	30	20	25	38	242
78	129	97	65	75	112	671	**78**	32	24	16	18	28	206
84	112	84	56	60	90	623	**84**	26	19	13	14	21	178
90	98	73	49	49	73	581	**90**	21	16	10	10	16	155
96	86	64	43	40	60	545	**96**	17	13	9	8	12	136

Metric

E_b = 19.3 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 207 Mpa

I_x = 1.5E-6 m⁴/m | S_x = 5.9E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

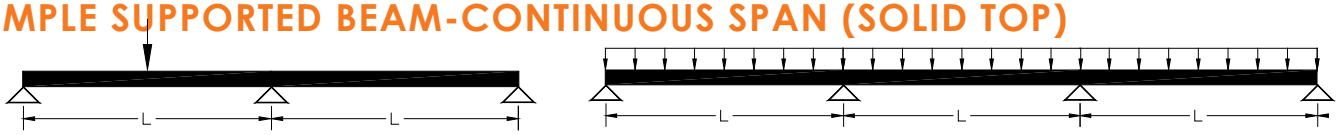
A_w = 2.7E-3 m²/m | Weight = 15.1 kg/m² | 12% Perforated Top

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	61.4	46.1	30.7	****	****	62.8	**0.25**	****	****	217.9	****	****	251.0
0.50	24.3	18.2	12.1	****	****	38.8	**0.50**	80.8	60.6	40.4	****	****	125.5
0.75	12.1	9.1	6.0	17.4	****	25.9	**0.75**	26.3	19.7	13.1	37.9	63.1	69.0
1.00	7.1	5.3	3.5	7.7	12.8	19.4	**1.00**	11.5	8.6	5.7	12.4	20.7	38.8
1.25	4.6	3.5	2.3	4.0	6.7	15.5	**1.25**	6.0	4.5	3.0	5.2	8.6	24.8
1.50	3.3	2.4	1.6	2.3	3.9	12.9	**1.50**	3.5	2.6	1.7	2.5	4.2	17.2
1.75	2.4	1.8	1.2	1.5	2.5	11.1	**1.75**	2.2	1.7	1.1	1.4	2.3	12.7
2.00	1.9	1.4	0.9	1.0	1.7	9.7	**2.00**	1.5	1.1	0.7	0.8	1.3	9.7
2.25	1.5	1.1	0.7	0.7	1.2	8.6	**2.25**	1.0	0.8	0.5	0.5	0.8	7.7
2.50	1.2	0.9	0.6	0.5	0.9	7.8	**2.50**	0.8	0.6	0.4	0.3	0.6	6.2
2.75	1.0	0.7	0.5	0.4	0.6	7.1	**2.75**	0.6	0.4	0.3	0.2	0.4	5.1
3.00	0.8	0.6	0.4	0.3	0.5	6.5	**3.00**	0.4	0.3	0.2	0.2	0.3	4.3

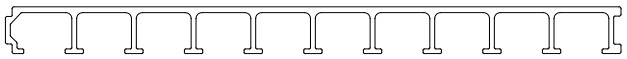
Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

FLOWGRIP® GR200

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN (SOLID TOP)



Flowgrip® GR200 Decking
23.62" wide x 1.575" high
1500/1525/1625 Series



Imperial

E_b = 2.8 Msi | G_b = 0.30 Msi | Characteristic longitudinal compressive strength (F_L^c) = 30,000 psi

I_x = 1.18 in⁴/ft | S_x = 1.12 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 1.29 in²/ft | Weight = 3.46 psf | Solid Top Decking

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	2137	****	****	3621	**12**	****	****	****	****	****	3583
18	2624	1968	1312	****	****	3621	**18**	****	****	1853	****	****	2389
24	1704	1278	852	****	****	2757	**24**	****	1365	910	****	****	1792
30	1174	881	587	1761	****	2206	**30**	1009	757	504	****	****	1433
36	851	638	425	1064	1595	1838	**36**	611	458	306	764	****	1194
42	642	481	321	688	1032	1576	**42**	396	297	198	424	637	914
48	500	375	250	469	703	1379	**48**	270	203	135	254	380	700
54	400	300	200	333	500	1225	**54**	193	144	96	160	241	553
60	327	245	163	245	368	1103	**60**	142	106	71	106	159	448
66	272	204	136	185	278	1003	**66**	107	80	54	73	110	370
72	230	172	115	144	215	919	**72**	83	62	42	52	78	311
78	197	147	98	113	170	848	**78**	66	49	33	38	57	265
84	170	128	85	91	137	788	**84**	53	40	26	28	42	229
90	148	111	74	74	111	735	**90**	43	32	21	21	32	199
96	131	98	65	61	92	689	**96**	35	27	18	17	25	175

Metric

E_b = 19.3 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 207 Mpa

I_x = 1.6E-6 m⁴/m | S_x = 6.0E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

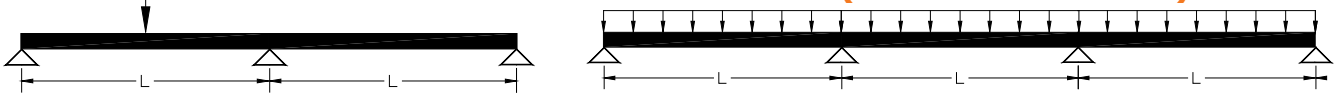
A_w = 2.7E-3 m²/m | Weight = 16.9 kg/m² | Solid Top Decking

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	37.3	****	****	52.8	**0.25**	****	****	****	****	****	209.2
0.50	33.7	25.3	16.9	****	****	49.1	**0.50**	****	****	71.6	****	****	104.6
0.75	17.6	13.2	8.8	25.4	****	32.7	**0.75**	50.4	37.8	25.2	****	****	69.7
1.00	10.6	7.9	5.3	11.4	19.0	24.5	**1.00**	22.8	17.1	11.4	24.6	41.0	49.8
1.25	7.0	5.2	3.5	6.0	10.0	19.6	**1.25**	12.1	9.0	6.0	10.4	17.4	31.9
1.50	4.9	3.7	2.5	3.5	5.9	16.4	**1.50**	7.1	5.3	3.6	5.1	8.5	22.1
1.75	3.7	2.7	1.8	2.3	3.8	14.0	**1.75**	4.5	3.4	2.3	2.8	4.7	16.3
2.00	2.8	2.1	1.4	1.5	2.5	12.3	**2.00**	3.1	2.3	1.5	1.6	2.7	12.5
2.25	2.2	1.7	1.1	1.1	1.8	10.9	**2.25**	2.2	1.6	1.1	1.0	1.7	9.8
2.50	1.8	1.4	0.9	0.8	1.3	9.8	**2.50**	1.6	1.2	0.8	0.7	1.1	8.0
2.75	1.5	1.1	0.8	0.6	1.0	8.9	**2.75**	1.2	0.9	0.6	0.5	0.8	6.6
3.00	1.3	1.0	0.6	0.5	0.8	8.2	**3.00**	0.9	0.7	0.5	0.3	0.6	5.5

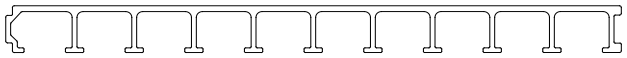
Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

FLOWGRIP® GR200

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN (PERFORATED TOP)



Flowgrip® GR200 Decking
23.62" wide x 1.575" high
1500/1525/1625 Series



Imperial

E_b = 2.8 Msi | G_b = 0.30 Msi | Characteristic longitudinal compressive strength (F_L^c) = 30,000 psi

I_x = 1.07 in⁴/ft | S_x = 1.09 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 1.29 in²/ft | Weight = 3.1 psf | 12% Perforated Top

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	3048	2032	****	****	3621	**12**	****	****	****	****	****	3583
18	2449	1837	1225	****	****	3578	**18**	****	****	1732	****	****	2389
24	1574	1180	787	****	****	2683	**24**	1684	1263	842	****	****	1792
30	1078	809	539	1618	****	2147	**30**	928	696	464	1391	****	1433
36	779	584	389	973	1460	1789	**36**	560	420	280	700	1050	1194
42	586	440	293	628	942	1533	**42**	362	271	181	388	582	890
48	456	342	228	428	641	1342	**48**	247	185	123	231	347	681
54	364	273	182	304	456	1193	**54**	175	132	88	146	219	538
60	298	223	149	223	335	1073	**60**	129	97	64	97	145	436
66	247	186	124	169	253	976	**66**	98	73	49	67	100	360
72	209	157	104	131	196	894	**72**	76	57	38	47	71	303
78	179	134	89	103	155	826	**78**	60	45	30	34	52	258
84	154	116	77	83	124	767	**84**	48	36	24	26	38	222
90	135	101	67	67	101	716	**90**	39	29	20	20	29	194
96	119	89	59	56	83	671	**96**	32	24	16	15	23	170

Metric

E_b = 19.3 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 207 Mpa

I_x = 1.5E-6 m⁴/m | S_x = 5.9E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

A_w = 2.7E-3 m²/m | Weight = 15.1 kg/m² | 12% Perforated Top

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	35.8	****	****	52.8	**0.25**	****	****	****	****	****	209.2
0.50	31.4	23.5	15.7	****	****	47.7	**0.50**	****	100.1	66.7	****	****	104.6
0.75	16.2	12.1	8.1	23.3	****	31.8	**0.75**	46.4	34.8	23.2	66.8	****	69.7
1.00	9.6	7.2	4.8	10.4	17.4	23.9	**1.00**	20.8	15.6	10.4	22.5	37.5	48.5
1.25	6.3	4.8	3.2	5.5	9.1	19.1	**1.25**	11.0	8.2	5.5	9.5	15.8	31.0
1.50	4.5	3.4	2.2	3.2	5.4	15.9	**1.50**	6.5	4.9	3.2	4.7	7.8	21.5
1.75	3.3	2.5	1.7	2.0	3.4	13.6	**1.75**	4.1	3.1	2.1	2.5	4.2	15.8
2.00	2.6	1.9	1.3	1.4	2.3	11.9	**2.00**	2.8	2.1	1.4	1.5	2.5	12.1
2.25	2.0	1.5	1.0	1.0	1.6	10.6	**2.25**	2.0	1.5	1.0	0.9	1.6	9.6
2.50	1.6	1.2	0.8	0.7	1.2	9.5	**2.50**	1.4	1.1	0.7	0.6	1.0	7.8
2.75	1.4	1.0	0.7	0.5	0.9	8.7	**2.75**	1.1	0.8	0.5	0.4	0.7	6.4
3.00	1.2	0.9	0.6	0.4	0.7	8.0	**3.00**	0.8	0.6	0.4	0.3	0.5	5.4

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERDECKING

Superdecking is pultruded as a single profile in which the top surface and legs are integral to the part. The profile geometry allows for flat head screws to be used for securing the decking structure.

The 24" wide x 1.5" high Superdecking panel is available with or without an antiskid surface.

FEATURES AND BENEFITS

- Corrosion Resistant
- Lightweight
- Maintenance Free
- Environmentally Safe
- High Strength
- Easy Standard Installation Methods
- Overlapping Joints
- Factory Applied Anti-slip Surface
- Integral Fastener Trough

ANTISKID INFORMATION

Creative uses a low-VOC, elastomeric polymer antiskid specially formulated for pedestrian traffic.It yields a sealed and weather-resistant anti-slip surface that meets the requirements of the ADA. Coefficient of Friction Dry 1.3, Wet 0.9. (ADA min requirement = .6).

APPLICATIONS

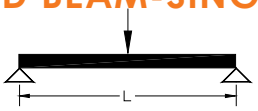
- DECKING FOR WALKWAYS + PLATFORMS
- MARINA DOCK DECKING
- COOLING TOWER DECKING
- SIDEWALKS
- PEDESTRIAN BRIDGE DECKS
- TRENCH COVERS
- ODOR CONTROL COVERS
- WALKWAYS FOR ROOFING
- WALL SIDING

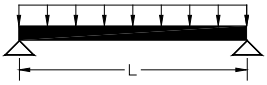
COLOR

Manufactured in dark gray
Note: Special resins, colors and lengths available, contact factory at 888-CPI-PULL.

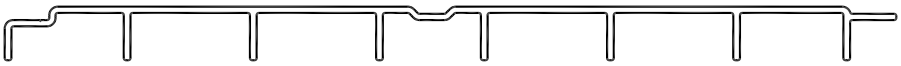
SUPERDECKING GR100

SIMPLE SUPPORTED BEAM-SINGLE SPAN





SuperDecking GR100
24" wide x 1.5" high
1500/1525/1625 Series



Imperial

E_b = 3.50 Msi | G_b = 0.30 Msi | Characteristic longitudinal compressive strength (F_L^c) = 25,000 psi

I_x = 0.51 in⁴/ft | S_x = 0.44 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 0.91 in²/ft | Weight = 2.6 psf | Solid Top Decking

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	1070	****	****	1467	**12**	****	2763	1842	****	****	2933
18	****	887	591	****	****	978	**18**	****	985	656	****	****	1304
24	727	545	364	****	****	733	**24**	596	447	298	****	****	733
30	486	365	243	****	****	587	**30**	316	237	158	****	****	469
36	346	260	173	433	****	489	**36**	187	140	93	234	****	326
42	258	194	129	277	415	419	**42**	119	89	60	128	191	239
48	200	150	100	187	281	367	**48**	80	60	40	75	113	183
54	159	119	79	132	199	326	**54**	57	43	28	47	71	145
60	129	97	65	97	146	293	**60**	42	31	21	31	47	117
66	107	81	54	73	110	267	**66**	31	24	16	21	32	97
72	90	68	45	57	85	244	**72**	24	18	12	15	23	81
78	77	58	39	45	67	226	**78**	19	14	10	11	16	69
84	67	50	33	36	54	210	**84**	15	11	8	8	12	60
90	58	44	29	29	44	196	**90**	12	9	6	6	9	52
96	51	38	26	24	36	183	**96**	10	8	5	5	7	46

Metric

E_b = 24.1 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 172 Mpa

I_x = 7.0E-7 m⁴/m | S_x = 2.4E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

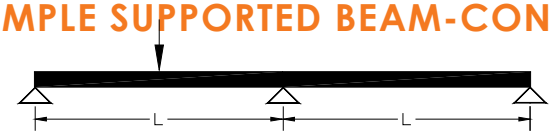
A_w = 1.9E-3 m²/m | Weight = 12.7 kg/m² | Solid Top Decking

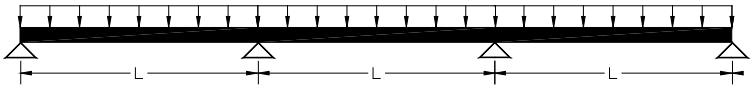
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	19.8	****	****	26.1	**0.25**	****	****	139.2	****	****	177.1
0.50	****	11.2	7.5	****	****	13.0	**0.50**	****	37.0	24.7	****	****	52.2
0.75	7.3	5.5	3.7	****	****	8.7	**0.75**	15.9	11.9	7.9	22.8	****	23.2
1.00	4.3	3.2	2.1	4.6	****	6.5	**1.00**	6.9	5.2	3.4	7.4	12.4	13.0
1.25	2.8	2.1	1.4	2.4	4.0	5.2	**1.25**	3.6	2.7	1.8	3.1	5.2	8.4
1.50	1.9	1.5	1.0	1.4	2.3	4.3	**1.50**	2.1	1.6	1.0	1.5	2.5	5.8
1.75	1.4	1.1	0.7	0.9	1.5	3.7	**1.75**	1.3	1.0	0.7	0.8	1.4	4.3
2.00	1.1	0.8	0.6	0.6	1.0	3.3	**2.00**	0.9	0.7	0.4	0.5	0.8	3.3
2.25	0.9	0.7	0.4	0.4	0.7	2.9	**2.25**	0.6	0.5	0.3	0.3	0.5	2.6
2.50	0.7	0.5	0.4	0.3	0.5	2.6	**2.50**	0.5	0.3	0.2	0.2	0.3	2.1
2.75	0.6	0.4	0.3	0.2	0.4	2.4	**2.75**	0.3	0.3	0.2	0.1	0.2	1.7
3.00	0.5	0.4	0.2	0.2	0.3	2.2	**3.00**	0.3	0.2	0.1	0.1	0.2	1.4

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERDECKING GR100

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN





SuperDecking GR100
24" wide x 1.5" high
1500/1525/1625 Series

Imperial

E_b = 3.50 Msi | G_b = 0.30 Msi | Characteristic longitudinal compressive strength (F_L^c) = 25,000 psi

I_x = 0.51 in⁴/ft | S_x = 0.44 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 0.91 in²/ft | Weight = 2.6 psf | Solid Top Decking

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	1307	****	****	1805	**12**	****	****	****	****	****	2528
18	****	1145	763	****	****	1204	**18**	****	1624	1083	****	****	1630
24	****	724	483	****	****	903	**24**	****	776	517	****	****	917
30	655	491	328	****	****	722	**30**	564	423	282	****	****	587
36	471	353	235	588	****	602	**36**	339	254	169	****	****	407
42	353	265	176	378	****	516	**42**	218	164	109	234	****	299
48	274	205	137	257	385	451	**48**	148	111	74	139	209	229
54	219	164	109	182	273	401	**54**	105	79	53	88	132	181
60	178	134	89	134	201	361	**60**	77	58	39	58	87	147
66	148	111	74	101	151	328	**66**	58	44	29	40	60	121
72	125	94	62	78	117	301	**72**	45	34	23	28	42	102
78	107	80	53	62	92	278	**78**	36	27	18	21	31	87
84	92	69	46	49	74	258	**84**	29	21	14	15	23	75
90	81	60	40	40	60	241	**90**	23	17	12	12	17	65
96	71	53	35	33	50	226	**96**	19	14	10	9	14	57

Metric

E_b = 24.1 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 172 Mpa

I_x = 7.0E-7 m⁴/m | S_x = 2.4E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

Aw = 1.9E-3 m²/m | Weight = 12.7 kg/m² | Solid Top Decking

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	23.4	****	****	32.1	**0.25**	****	****	****	****	****	147.6
0.50	****	14.6	9.7	****	****	16.1	**0.50**	****	62.2	41.5	****	****	65.2
0.75	9.8	7.4	4.9	****	****	10.7	**0.75**	28.2	21.2	14.1	****	****	29.0
1.00	5.8	4.4	2.9	6.3	****	8.0	**1.00**	12.6	9.4	6.3	13.6	****	16.3
1.25	3.8	2.9	1.9	3.3	5.5	6.4	**1.25**	6.6	5.0	3.3	5.7	9.5	10.4
1.50	2.7	2.0	1.3	1.9	3.2	5.4	**1.50**	3.9	2.9	1.9	2.8	4.7	7.2
1.75	2.0	1.5	1.0	1.2	2.0	4.6	**1.75**	2.5	1.8	1.2	1.5	2.5	5.3
2.00	1.5	1.1	0.8	0.8	1.4	4.0	**2.00**	1.7	1.2	0.8	0.9	1.5	4.1
2.25	1.2	0.9	0.6	0.6	1.0	3.6	**2.25**	1.2	0.9	0.6	0.6	0.9	3.2
2.50	1.0	0.7	0.5	0.4	0.7	3.2	**2.50**	0.9	0.6	0.4	0.4	0.6	2.6
2.75	0.8	0.6	0.4	0.3	0.5	2.9	**2.75**	0.6	0.5	0.3	0.3	0.4	2.2
3.00	0.7	0.5	0.3	0.2	0.4	2.7	**3.00**	0.5	0.4	0.2	0.2	0.3	1.8

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

TUF-DEK™

Tuf-dek™ is pultruded as a single profile in which the top surface and legs are integral to the part. The profile geometry and 2-1/8" height allows for superior stiffness and ease of installation. This profile is ideal for weirs, baffle walls and tank covers.

FEATURES AND BENEFITS

- Corrosion Resistant
- Non-Conductive
- Lightweight
- Maintenance Free
- Environmentally Safe
- High Strength
- Structurally Stable
- Electromagnetic Transparency
- Easy Standard Installation Methods
- Panels easily removed
- Elimination of Expensive Labor and Equipment

ANTISKID INFORMATION

Creative uses a low-VOC, elastomeric polymer antiskid specially formulated for pedestrian traffic.It yields a sealed and weather-resistant anti-slip surface that meets the requirements of the ADA. Coefficient of Friction Dry 1.3, Wet 0.9. (ADA min requirement = .6) .

COLOR

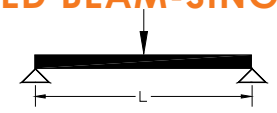
Manufactured in dark gray
Note: Special resins, colors and lengths available, contact factory at 888-CPI-PULL.

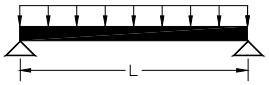
APPLICATIONS

- ADA COMPLIANT RAMP DECKING
- DECKING FOR WALKWAYS + PLATFORMS
- SIDEWALKS
- PEDESTRIAN BRIDGE DECKS
- TRENCH COVERS
- ODOR CONTROL COVERS
- WALKWAYS FOR ROOFING
- WALL SIDING
- BAFFLE WALLS
- TRAILER DECKING
- HEAVY DUTY FLOORING

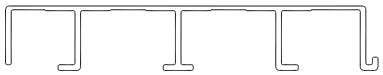
TUF-DEK™ GR303

SIMPLE SUPPORTED BEAM-SINGLE SPAN





Tuf-dek™ GR303 Decking
12" wide x 2.125" high
1500/1525/1625 Series



Imperial

E_b = 2.5 Msi | G_b = 0.3 Msi | Characteristic longitudinal compressive strength (F_L^c) = 25,000 psi

I_x = 2.34 in⁴/ft | S_x = 1.74 in³/ft | Characteristic in-plane shear strength ($F_{LT}v$) = 5,000 psi

A_w = 1.7 in²/ft | Weight = 3.26 psf | Solid Top Decking

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	5539	4154	2769	****	****	5667	**12**	****	****	4911	****	****	5667
18	3379	2534	1690	****	****	3867	**18**	****	2875	1917	****	****	3778
24	2186	1639	1093	****	****	2900	**24**	1819	1364	909	****	****	2833
30	1503	1128	752	2255	****	2320	**30**	988	741	494	1483	****	1856
36	1088	816	544	1360	****	1933	**36**	592	444	296	740	1109	1289
42	820	615	410	879	1318	1657	**42**	381	285	190	408	612	947
48	639	479	319	599	898	1450	**48**	258	194	129	242	363	725
54	511	383	255	426	639	1289	**54**	183	137	92	153	229	573
60	417	313	209	313	470	1160	**60**	135	101	67	101	151	464
66	347	260	174	237	355	1055	**66**	102	76	51	69	104	383
72	293	220	147	183	275	967	**72**	79	59	39	49	74	322
78	251	188	125	145	217	892	**78**	62	46	31	36	54	275
84	217	163	108	116	174	829	**84**	50	37	25	27	40	237
90	189	142	95	95	142	773	**90**	41	30	20	20	30	206
96	167	125	83	78	117	725	**96**	33	25	17	16	24	181

Metric

E_b = 17.2 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 172 Mpa

I_x = 3.20E-6 m⁴/m | S_x = 9.36E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

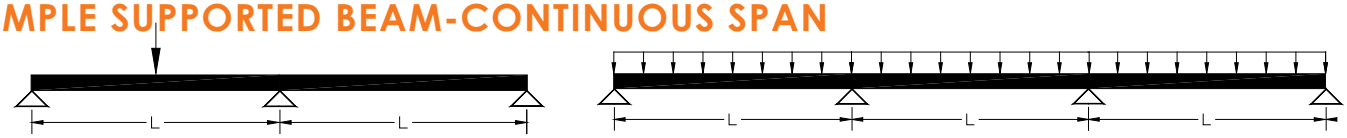
A_w = 3.60E-3 m²/m | Weight = 15.9 kg/m² | Solid Top Decking

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	72.8	48.5	****	****	82.7	**0.25**	****	****	****	****	****	330.8
0.50	43.4	32.5	21.7	****	****	51.6	**0.50**	146.4	109.8	73.2	****	****	165.4
0.75	22.6	16.9	11.3	32.5	****	34.4	**0.75**	49.5	37.1	24.7	71.2	****	91.7
1.00	13.5	10.1	6.7	14.6	24.3	25.8	**1.00**	21.9	16.5	11.0	23.7	39.5	51.6
1.25	8.9	6.7	4.4	7.7	12.8	20.6	**1.25**	11.5	8.6	5.8	9.9	16.6	33.0
1.50	6.3	4.7	3.1	4.5	7.5	17.2	**1.50**	6.7	5.1	3.4	4.9	8.1	22.9
1.75	4.7	3.5	2.3	2.9	4.8	14.7	**1.75**	4.3	3.2	2.1	2.6	4.4	16.8
2.00	3.6	2.7	1.8	1.9	3.2	12.9	**2.00**	2.9	2.2	1.4	1.6	2.6	12.9
2.25	2.9	2.1	1.4	1.4	2.3	11.5	**2.25**	2.0	1.5	1.0	1.0	1.6	10.2
2.50	2.3	1.7	1.2	1.0	1.7	10.3	**2.50**	1.5	1.1	0.7	0.6	1.1	8.3
2.75	1.9	1.4	1.0	0.8	1.3	9.4	**2.75**	1.1	0.8	0.6	0.4	0.7	6.8
3.00	1.6	1.2	0.8	0.6	1.0	8.6	**3.00**	0.9	0.6	0.4	0.3	0.5	5.7

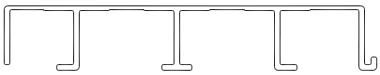
Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

TUF-DEK™ GR303

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN



Tuf-dek™ GR303 Decking
12" wide x 2.125" high
1500/1525/1625 Series



Imperial

E_b = 2.5 Msi | G_b = 0.3 Msi | Characteristic longitudinal compressive strength (F_L^c) = 25,000 psi

I_x = 2.34 in⁴/ft | S_x = 1.74 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 1.7 in²/ft | Weight = 3.26 psf | Solid Top Decking

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	3232	****	****	4772	**12**	****	****	****	****	****	4722
18	4206	3154	2103	****	****	4760	**18**	****	****	2952	****	****	3148
24	2824	2118	1412	****	****	3570	**24**	****	2254	1502	****	****	2361
30	1986	1489	993	****	****	2856	**30**	1701	1276	850	****	****	1889
36	1457	1093	728	1821	****	2380	**36**	1044	783	522	1305	****	1574
42	1108	831	554	1187	1781	2040	**42**	683	512	341	731	1097	1184
48	868	651	434	814	1221	1785	**48**	469	352	234	440	659	906
54	697	523	349	581	872	1587	**54**	335	251	168	279	419	716
60	572	429	286	429	643	1428	**60**	247	186	124	186	278	580
66	476	357	238	325	487	1298	**66**	188	141	94	128	192	479
72	403	302	202	252	378	1190	**72**	146	109	73	91	136	403
78	345	259	173	199	299	1098	**78**	115	86	58	66	100	343
84	299	224	149	160	240	1020	**84**	93	69	46	50	74	296
90	261	196	131	131	196	952	**90**	76	57	38	38	57	258
96	230	173	115	108	162	892	**96**	62	47	31	29	44	227

Metric

E_b = 17.2 Gpa | G_b = 2.1 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 172 Mpa

I_x = 3.20E-6 m⁴/m | S_x = 9.36E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

A_w = 3.60E-3 m²/m | Weight = 15.9 kg/m² | Solid Top Decking

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6.35	9.525	Max. Service Load	Span (m)	180	240	360	6.35	9.525	Max. Service Load
0.25	****	****	54.9	****	****	69.6	**0.25**	****	****	****	****	****	275.7
0.50	54.6	41.0	27.3	****	****	63.5	**0.50**	****	****	115.5	****	****	137.8
0.75	29.7	22.3	14.9	****	****	42.3	**0.75**	84.9	63.7	42.4	****	****	91.9
1.00	18.2	13.6	9.1	20.8	31.1	31.8	**1.00**	39.1	29.3	19.6	44.7	****	64.5
1.25	12.1	9.1	6.1	11.1	16.6	25.4	**1.25**	20.9	15.7	10.5	19.1	28.7	41.3
1.50	8.6	6.4	4.3	6.5	9.8	21.2	**1.50**	12.4	9.3	6.2	9.4	14.2	28.7
1.75	6.4	4.8	3.2	4.2	6.3	18.1	**1.75**	7.9	5.9	4.0	5.2	7.8	21.1
2.00	4.9	3.7	2.5	2.8	4.2	15.9	**2.00**	5.4	4.0	2.7	3.1	4.6	16.1
2.25	3.9	3.0	2.0	2.0	3.0	14.1	**2.25**	3.8	2.8	1.9	1.9	2.9	12.7
2.50	3.2	2.4	1.6	1.5	2.2	12.7	**2.50**	2.8	2.1	1.4	1.3	1.9	10.3
2.75	2.7	2.0	1.3	1.1	1.7	11.5	**2.75**	2.1	1.6	1.0	0.9	1.3	8.5
3.00	2.2	1.7	1.1	0.9	1.3	10.6	**3.00**	1.6	1.2	0.8	0.6	0.9	7.2

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

HEAVY DUTY PLANK

Heavy Duty Plank is pultruded as a single profile in which the top surface and legs are integral to the part. The heavy-duty profile was developed to replace deteriorating wood on low boy trailers in order to eliminate the traditional deck replacement maintenance cycle.

The Heavy Duty Plank measures 10.25" wide x 1.88" high and is available with our without antiskid.

FEATURES AND BENEFITS

- Corrosion Resistant
- Non-Conductive
- Lightweight
- Maintenance Free
- Environmentally Safe
- High Strength
- Structurally Stable
- Electromagnetic Transparency
- Easy Standard Installation Methods
- Panels easily removed
- Elimination of Expensive Labor and Equipment

ANTISKID INFORMATION

Industrial antiskid options are available for your specific need. Consult Creative at 888-CPI-PULL (274-7855) for antiskid and wearing surface options.

COLOR

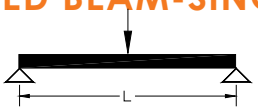
Manufactured in dark gray
Note: Special resins, colors and lengths available, contact factory at 888-CPI-PULL.

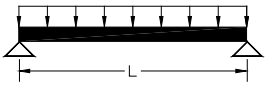
APPLICATIONS

- ADA COMPLIANT RAMP DECKING
- DECKING FOR WALKWAYS AND PLATFORMS
- MARINA DOCK DECKING
- COOLING TOWER DECKING
- PEDESTRIAN BRIDGE DECKS
- TRAILER DECKING

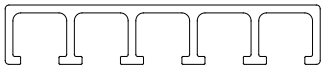
HEAVY DUTY PLANK CP064

SIMPLE SUPPORTED BEAM-SINGLE SPAN





Heavy Duty Plank CP064
10.25" wide x 1.88" high
1500/1525/1625 Series



Imperial

E_b = 3.50 Msi | G_b = 0.43 Msi | Characteristic longitudinal compressive strength (F_L^c) = 45,000 psi

I_x = 2.86 in⁴/ft | S_x = 2.43 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 3.30 in²/ft | Weight = 5.47 psf | Solid Top Decking

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	8718	5812	****	****	9900	**12**	****	****	****	****	****	9900
18	6516	4887	3258	****	****	9720	**18**	****	5440	3627	****	****	6600
24	4034	3026	2017	****	****	7290	**24**	3313	2485	1657	****	****	4950
30	2708	2031	1354	4062	****	5832	**30**	1764	1323	882	2646	****	3960
36	1932	1449	966	2415	3622	4860	**36**	1043	782	522	1304	1956	3240
42	1443	1082	722	1546	2319	4166	**42**	666	499	333	713	1070	2380
48	1117	838	559	1047	1571	3645	**48**	450	338	225	422	633	1823
54	889	667	445	741	1112	3240	**54**	318	239	159	265	398	1440
60	724	543	362	543	815	2916	**60**	233	175	116	175	262	1166
66	601	451	300	410	615	2651	**66**	176	132	88	120	179	964
72	507	380	253	317	475	2430	**72**	136	102	68	85	127	810
78	433	324	216	250	374	2243	**78**	107	80	53	62	92	690
84	374	280	187	200	300	2083	**84**	86	64	43	46	69	595
90	326	245	163	163	245	1944	**90**	70	52	35	35	52	518
96	287	215	143	135	202	1823	**96**	58	43	29	27	40	456

Metric

E_b = 24.1 Gpa | G_b = 2.9 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 310 Mpa

I_x = 3.9E-6 m⁴/m | S_x = 1.3E-4 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

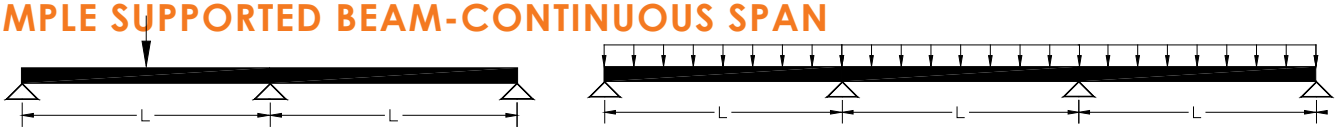
A_w = 7.0E-3 m²/m | Weight = 26.7 kg/m² | Solid Top Decking

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	106.7	****	****	144.5	**0.25**	****	****	****	****	****	577.9
0.50	82.3	61.7	41.2	****	****	129.7	**0.50**	273.4	205.0	136.7	****	****	289.0
0.75	40.7	30.5	20.3	58.6	****	86.5	**0.75**	88.4	66.3	44.2	127.3	****	192.6
1.00	23.8	17.9	11.9	25.7	42.9	64.9	**1.00**	38.5	28.9	19.3	41.6	69.3	129.7
1.25	15.5	11.7	7.8	13.4	22.4	51.9	**1.25**	20.0	15.0	10.0	17.3	28.8	83.0
1.50	10.9	8.2	5.5	7.8	13.1	43.2	**1.50**	11.7	8.8	5.8	8.4	14.0	57.6
1.75	8.1	6.0	4.0	5.0	8.3	37.1	**1.75**	7.4	5.5	3.7	4.6	7.6	42.4
2.00	6.2	4.6	3.1	3.3	5.6	32.4	**2.00**	5.0	3.7	2.5	2.7	4.5	32.4
2.25	4.9	3.7	2.5	2.4	3.9	28.8	**2.25**	3.5	2.6	1.7	1.7	2.8	25.6
2.50	4.0	3.0	2.0	1.7	2.9	25.9	**2.50**	2.6	1.9	1.3	1.1	1.8	20.8
2.75	3.3	2.5	1.6	1.3	2.2	23.6	**2.75**	1.9	1.4	1.0	0.8	1.3	17.2
3.00	2.8	2.1	1.4	1.0	1.7	21.6	**3.00**	1.5	1.1	0.7	0.5	0.9	14.4

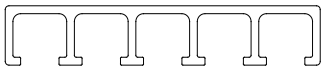
Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

HEAVY DUTY PLANK CP064

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN



Heavy Duty Plank CP064
10.25" wide x 1.88" high
1500/1525/1625 Series



Imperial

E_b = 3.50 Msi | G_b = 0.43 Msi | Characteristic longitudinal compressive strength (F_L^c) = 45,000 psi

I_x = 2.86 in⁴/ft | S_x = 2.43 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 3.30 in²/ft | Weight = 5.47 psf | Solid Top Decking

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	7050	****	****	8336	**12**	****	****	****	****	****	8250
18	****	6277	4185	****	****	8336	**18**	****	****	****	****	****	5500
24	5335	4001	2667	****	****	8336	**24**	****	****	2857	****	****	4125
30	3638	2729	1819	5458	****	7179	**30**	3132	2349	1566	****	****	3300
36	2620	1965	1310	3275	4913	5982	**36**	1885	1414	942	2356	****	2750
42	1969	1477	984	2110	3164	5128	**42**	1216	912	608	1303	1955	2357
48	1530	1148	765	1434	2152	4487	**48**	828	621	414	776	1164	2063
54	1222	916	611	1018	1527	3988	**54**	588	441	294	490	735	1800
60	997	748	498	748	1122	3589	**60**	432	324	216	324	486	1458
66	828	621	414	565	847	3263	**66**	327	245	163	223	334	1205
72	699	524	350	437	655	2991	**72**	253	190	126	158	237	1013
78	598	448	299	345	517	2761	**78**	200	150	100	115	173	863
84	517	388	258	277	415	2564	**84**	160	120	80	86	129	744
90	451	338	226	226	338	2393	**90**	131	98	65	65	98	648
96	397	298	199	186	279	2243	**96**	108	81	54	51	76	570

Metric

E_b = 24.1 Gpa | G_b = 2.9 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 310 Mpa

I_x = 3.9E-6 m⁴/m | S_x = 1.3E-4 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

A_w = 7.0E-3 m²/m | Weight = 26.7 kg/m² | Solid Top Decking

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	****	****	****	121.7	**0.25**	****	****	****	****	****	481.6
0.50	106.8	80.1	53.4	****	****	121.7	**0.50**	****	****	227.6	****	****	240.8
0.75	54.6	41.0	27.3	78.6	****	106.4	**0.75**	156.6	117.5	78.3	****	****	160.5
1.00	32.4	24.3	16.2	35.0	58.4	79.8	**1.00**	70.0	52.5	35.0	75.6	****	120.4
1.25	21.3	16.0	10.6	18.4	30.7	63.9	**1.25**	36.9	27.7	18.4	31.9	53.1	96.3
1.50	15.0	11.3	7.5	10.8	18.0	53.2	**1.50**	21.7	16.3	10.8	15.6	26.0	72.1
1.75	11.1	8.3	5.6	6.9	11.4	45.6	**1.75**	13.8	10.3	6.9	8.5	14.2	52.9
2.00	8.6	6.4	4.3	4.6	7.7	39.9	**2.00**	9.3	7.0	4.6	5.0	8.4	40.5
2.25	6.8	5.1	3.4	3.3	5.4	35.5	**2.25**	6.6	4.9	3.3	3.1	5.2	32.0
2.50	5.5	4.1	2.8	2.4	4.0	31.9	**2.50**	4.8	3.6	2.4	2.1	3.5	25.9
2.75	4.6	3.4	2.3	1.8	3.0	29.0	**2.75**	3.6	2.7	1.8	1.4	2.4	21.4
3.00	3.8	2.9	1.9	1.4	2.3	26.6	**3.00**	2.8	2.1	1.4	1.0	1.7	18.0

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERGRATE® PULTRUDED + MOLDED GRATING

SuperGrate is a high strength light weight grating system fabricated from highly corrosion resistant I and T bars and two components that mechanically lock to form the cross bars. The high strength, extremely stiff SuperGrate system is ideal for corrosive applications where light weight and safety are a must. Pultruded grating is available in 1" and 1-1/2" I-Bar depth and 2" T-Bar depth. 1" and 1-1/2" pultruded grating is available with a 40%, 50%, 0r 60% open area. 2" pultruded grating is available with a 33% and 50% open area.

SuperGrate Molded Grating is ideal for highly corrosive applications requiring a large % open area. Molded grating is the prime candidate for jobs requiring extensive fabrication and cut outs and is available in 1", 1-1/2" and 2" panel thickness, grid patterns from 1-1/2" x 1-1/2", 1" x 4" and 2" x 2" in various panel sizes.

FEATURES AND BENEFITS

- Maintenance Free
- Ease of Installation
- Built-In Resiliency
- Environmentally Safe
- Corrosion Resistance
- Electrical And Thermal Insulation
- Electromagnetic Transparency
- Part Integration
- Inherent Color
- Dimensional Stability Over Wide Temperature Ranges

ANTISKID INFORMATION

CA quartz silica number 5 size aggregate blended with an epoxy matrix creates the antiskid surface. The antiskid is specially formulated for industrial traffic.

APPLICATIONS

- DECKING FOR WALKWAYS + PLATFORMS
- FLOORS
- STAIRS
- TRENCH AND PIT COVERS
- RAMPS
- GUARDS FOR ELECTRICAL EQUIPMENT + MACHINERY

COLOR

Pultruded Grating: IFR – Dark Gray and Yellow • VFR – Dark Gray and Yellow
Molded Grating: IFR – Green, Yellow and Gray • VFR – Gray
Note: Special resins, colors and lengths available, contact factory at 888-CPI-PULL.

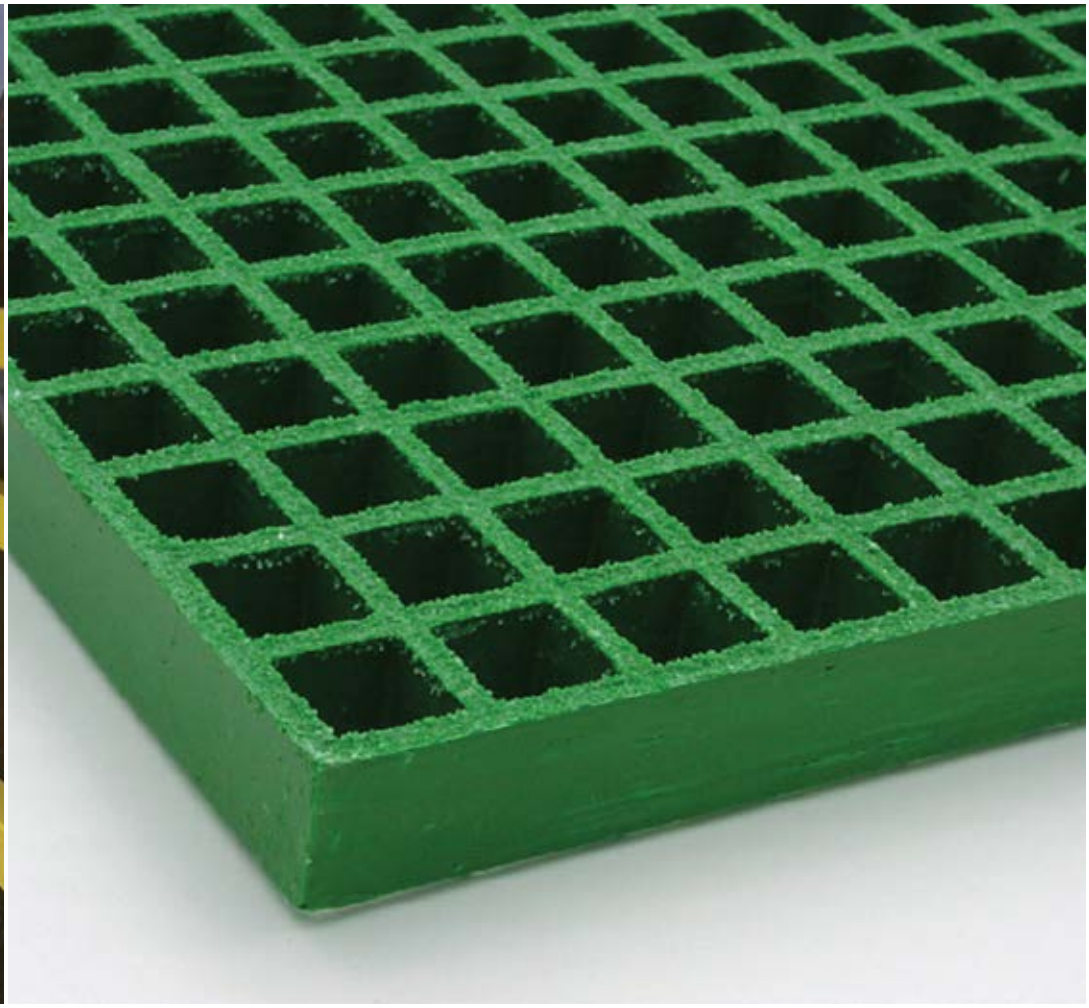
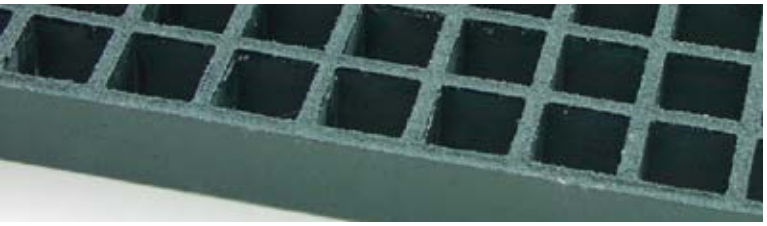
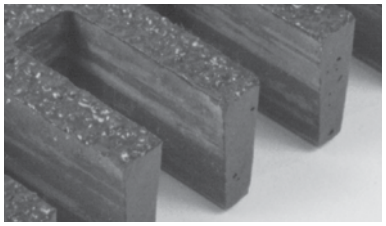
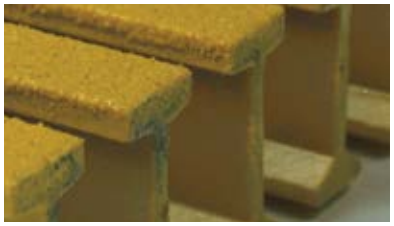


PHOTO COURTESY OF ULTRA FIBERGLASS SYSTEMS







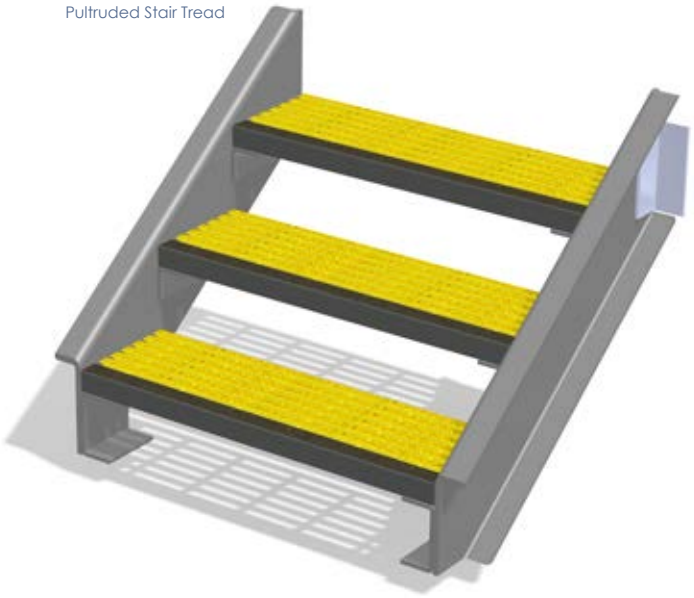
SUPERGRATE® PULTRUDED AND MOLDED GRATING HARDWARE

PULTRUDED STAIR TREAD OFFERING

Item	Panel Thickness	Resin Series	Color Options
I4010-6X	1"	IFR/VFR	Dark Gray or Yellow
I4015-6X	1.5"	IFR/VFR	Dark Gray or Yellow
I6010-6X	1"	IFR/VFR	Dark Gray or Yellow
I6015-6X	1.5"	IFR/VFR	Dark Gray or Yellow
T5020-6X	2"	IFR/VFR	Dark Gray or Yellow

IFR - Isophthalic Polyester Resin
VFR - Viny l Ester Flame Retardant Resin
Standard Width is 12" (with nosing) and Standard Length is 20'.
Consult Price List for Availability.
Standard color options are Dark Gray tread with Yellow gritted nosing or Yellow tread with Dark Gray gritted nosing.
Custom nosing colors to be considered on a case-by-case basis.
Additional charges will apply.

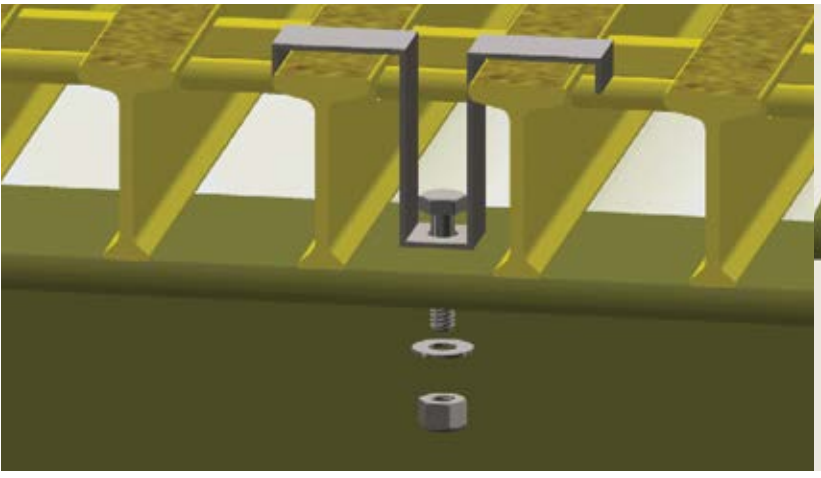
Pultruded Stair Tread



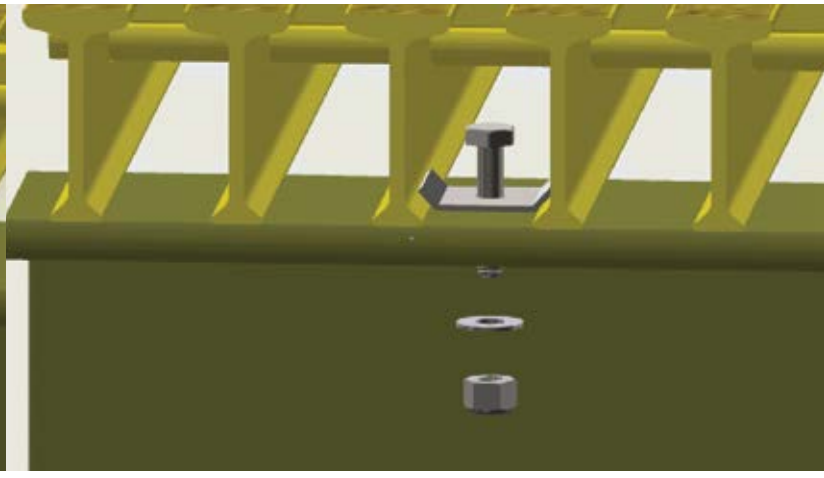
PULTRUDED GRATING HARDWARE

Item	Clip Part Number	Kit Part Number[1]
I4010 & I4015 Bottom Clip	CLP005	CLK002
I5010 & I5015 M-Clip	CLP007	CLK004
I6010 M-Clip	CLP006	CLK003
I6015 M-Clip	CLP008	CLK005
T3320 Bottom Clip	CLP009	CLK006
T5020 M-Clip	CLP010	CLK007

[1]Kits include one each of the clip, bolt, washer and nylock nut.
[2]All hold-down components are 316SS.



Pultruded Grating M-Clip

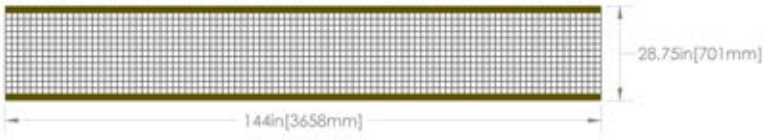


Pultruded Grating Bottom Clip

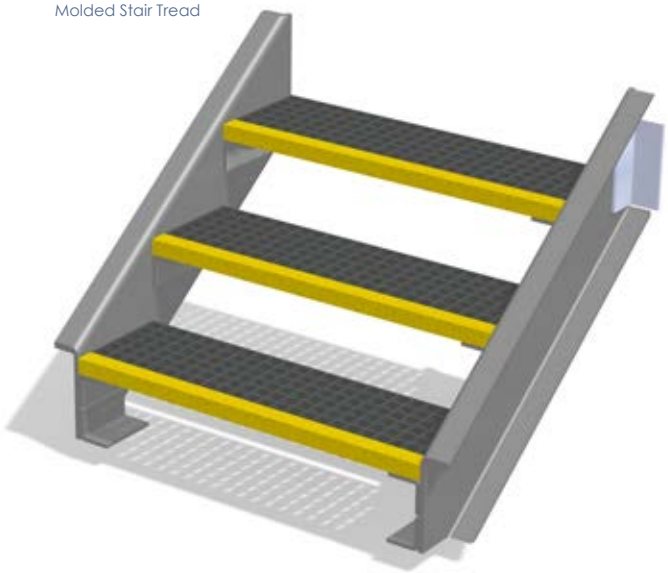
MOLDED STAIR TREAD OFFERING

Item	Panel Thickness	Grid Pattern	Panel Size
GRT061 (stocked)	1.5"	1.5" x 1.5"	28.75" x 12'

Treads are VFR gray and have double sided yellow "gritted" nosing. Balance of tread is meniscus non-slip surface. Sold in full panels only. Consult Price List for Availability.



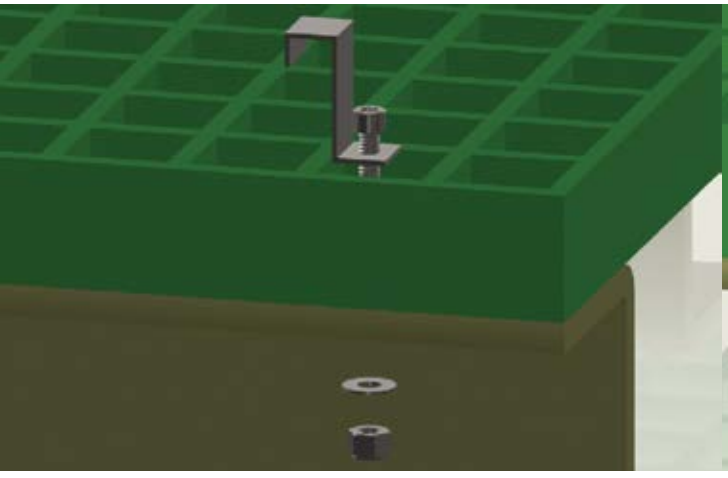
Molded Stair Tread



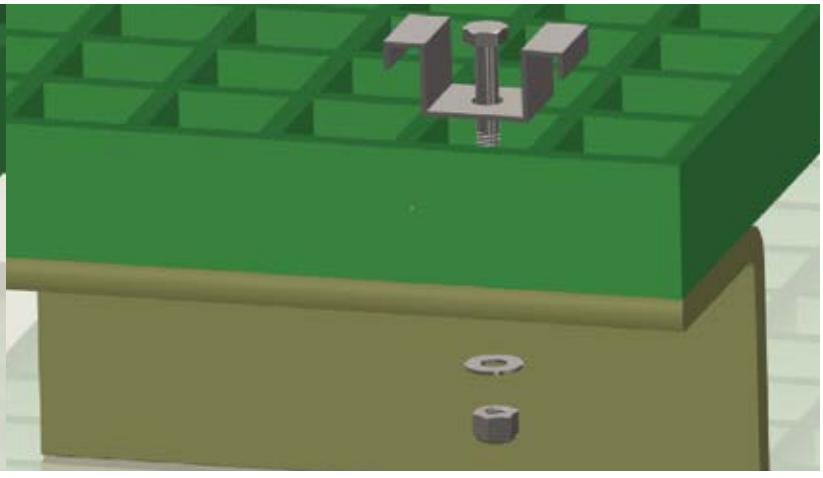
MOLDED GRATING HARDWARE

Item	Clip Part Number	Kit Part Number[1]
1" Thick x 1.5" Grid M-Clip	CLP037	CLK010
1.5" Thick x 1.5" Grid M-Clip	CLP037	CLK015
2" Thick x 2" Grid M-Clip	CLP038	CLK019

[1]Kits include one each of the clip, bolt, washer and nylock nut.
[2]All hold-down components are 316SS.



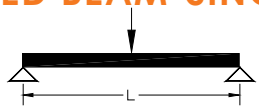
Molded Grating J-Clip (available upon request, consult factory)

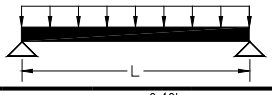


Molded Grating M-Clip

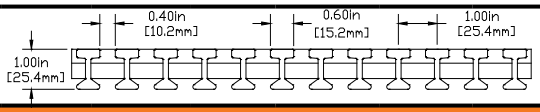
SUPERGRATE® PULTRUDED GRATING I4010

SIMPLE SUPPORTED BEAM-SINGLE SPAN





Supergrate® Pultruded Grating
I - 4010 (1" high I bar)
1500/1525/1625 Series



Imperial

E_b = 5.15 Msi | G_b = 0.18 Msi | Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi

I_x = 0.48 in⁴/ft | S_x = 0.93 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 1.68 in²/ft | Weight = 3.75 psf | 40% Open Area

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	2707	2031	1354	****	****	5040	**12**	4723	3543	2362	****	****	5040
18	1563	1172	782	3908	****	5040	**18**	1751	1313	876	****	****	3360
24	982	737	491	1841	2762	4020	**24**	810	608	405	1519	2278	2520
30	665	498	332	997	1495	3216	**30**	434	326	217	651	977	2016
36	476	357	238	595	893	2680	**36**	258	193	129	322	483	1680
42	357	268	178	382	573	2297	**42**	165	124	82	177	265	1313
48	277	208	138	259	389	2010	**48**	112	84	56	105	157	1005
54	221	165	110	184	276	1786	**54**	79	59	39	66	99	794
60	180	135	90	135	202	1608	**60**	58	43	29	43	65	643
66	149	112	75	102	153	1462	**66**	44	33	22	30	45	532
72	126	94	63	79	118	1340	**72**	34	25	17	21	32	447
78	108	81	54	62	93	1237	**78**	27	20	13	15	23	381
84	93	70	47	50	75	1148	**84**	21	16	11	11	17	328
90	81	61	41	41	61	1072	**90**	17	13	9	9	13	286
96	71	54	36	33	50	1005	**96**	14	11	7	7	10	251

Metric

E_b = 35.5 Gpa | G_b = 1.2 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa

I_x = 6.6E-7 m⁴/m | S_x = 5.0E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

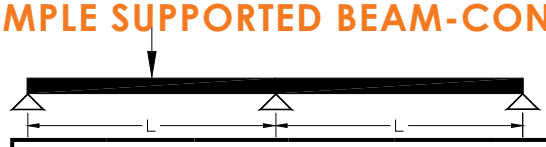
A_w = 3.6E-3 m²/m | Weight = 18.3 kg/m² | 40% Open Area

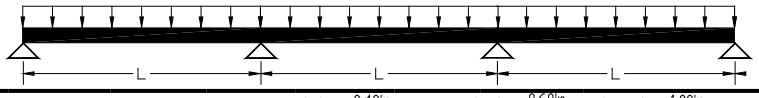
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	48.9	36.7	24.4	****	****	73.6	**0.25**	****	261.4	174.3	****	****	294.2
0.50	19.9	14.9	9.9	42.9	71.5	71.5	**0.50**	66.3	49.7	33.1	143.2	****	147.1
0.75	10.0	7.5	5.0	14.4	23.9	47.7	**0.75**	21.7	16.3	10.9	31.3	52.2	98.1
1.00	5.9	4.4	2.9	6.4	10.6	35.8	**1.00**	9.5	7.1	4.8	10.3	17.2	71.5
1.25	3.8	2.9	1.9	3.3	5.5	28.6	**1.25**	5.0	3.7	2.5	4.3	7.2	45.8
1.50	2.7	2.0	1.4	1.9	3.2	23.8	**1.50**	2.9	2.2	1.5	2.1	3.5	31.8
1.75	2.0	1.5	1.0	1.2	2.1	20.4	**1.75**	1.8	1.4	0.9	1.1	1.9	23.4
2.00	1.5	1.2	0.8	0.8	1.4	17.9	**2.00**	1.2	0.9	0.6	0.7	1.1	17.9
2.25	1.2	0.9	0.6	0.6	1.0	15.9	**2.25**	0.9	0.7	0.4	0.4	0.7	14.1
2.50	1.0	0.7	0.5	0.4	0.7	14.3	**2.50**	0.6	0.5	0.3	0.3	0.5	11.4
2.75	0.8	0.6	0.4	0.3	0.5	13.0	**2.75**	0.5	0.4	0.2	0.2	0.3	9.5
3.00	0.7	0.5	0.3	0.2	0.4	11.9	**3.00**	0.4	0.3	0.2	0.1	0.2	7.9

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

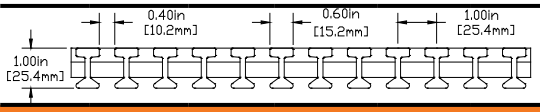
SUPERGRATE® PULTRUDED GRATING I4010

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN





Supergrate® Pultruded Grating
I - 4010 (1" high I bar)
1500/1525/1625 Series



Imperial

E_b = 5.15 Msi | G_b = 0.18 Msi | Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi

I_x = 0.48 in⁴/ft | S_x = 0.93 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 1.68 in²/ft | Weight = 3.75 psf | 40% Open Area

	Allowable Concentrated Load Tables (lb/ft width of panel)						Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)			L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	180	240	360	0.25	0.375	Max. Service Load
12	3239	2429	1619	****	****	4244	****	****	3375	****	****	4200
18	1986	1490	993	****	****	4244	****	2103	1402	****	****	2800
24	1289	967	644	2416	3625	4244	1377	1033	689	****	****	2100
30	888	666	444	1332	1998	3958	763	572	382	1145	****	1680
36	643	482	322	804	1206	3299	462	347	231	578	867	1400
42	485	364	243	520	780	2827	299	225	150	321	481	1200
48	378	284	189	354	532	2474	204	153	102	192	288	1050
54	302	227	151	252	378	2199	146	109	73	121	182	933
60	247	185	124	185	278	1979	107	80	54	80	120	804
66	206	154	103	140	210	1799	81	61	41	55	83	664
72	174	130	87	109	163	1649	63	47	31	39	59	558
78	149	111	74	86	129	1522	50	37	25	29	43	476
84	128	96	64	69	103	1414	40	30	20	21	32	410
90	112	84	56	56	84	1319	32	24	16	16	24	357
96	99	74	49	46	69	1237	27	20	13	13	19	314

Metric

E_b = 35.5 Gpa | G_b = 1.2 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa

I_x = 6.6E-7 m⁴/m | S_x = 5.0E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

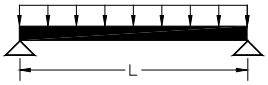
A_w = 3.6E-3 m²/m | Weight = 18.3 kg/m² | 40% Open Area

	Allowable Concentrated Load Tables (kN/m width of panel)						Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)			L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	180	240	360	6	10	Max. Service Load
0.25	56.6	42.5	28.3	****	****	61.9	****	****	234.0	****	****	245.2
0.50	25.5	19.1	12.8	55.1	****	61.9	108.4	81.3	54.2	****	****	122.6
0.75	13.3	10.0	6.7	19.2	32.0	58.7	38.1	28.6	19.1	54.9	****	81.7
1.00	8.0	6.0	4.0	8.6	14.4	44.0	17.2	12.9	8.6	18.6	31.0	61.3
1.25	5.3	3.9	2.6	4.5	7.6	35.2	9.1	6.8	4.6	7.9	13.1	49.0
1.50	3.7	2.8	1.9	2.7	4.5	29.3	5.4	4.0	2.7	3.9	6.4	39.7
1.75	2.8	2.1	1.4	1.7	2.8	25.2	3.4	2.6	1.7	2.1	3.5	29.2
2.00	2.1	1.6	1.1	1.1	1.9	22.0	2.3	1.7	1.2	1.2	2.1	22.3
2.25	1.7	1.3	0.8	0.8	1.4	19.6	1.6	1.2	0.8	0.8	1.3	17.7
2.50	1.4	1.0	0.7	0.6	1.0	17.6	1.2	0.9	0.6	0.5	0.9	14.3
2.75	1.1	0.9	0.6	0.4	0.7	16.0	0.9	0.7	0.4	0.4	0.6	11.8
3.00	1.0	0.7	0.5	0.3	0.6	14.7	0.7	0.5	0.3	0.2	0.4	9.9

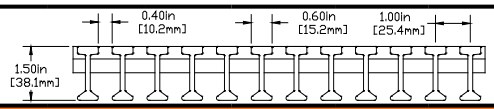
Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERGRATE® PULTRUDED GRATING I4015

SIMPLE SUPPORTED BEAM-SINGLE SPAN



Supergrate® Pultruded Grating
I - 4015 (1.5" high I bar)
1500/1525/1625 Series



Imperial

E_b = 5.35 Msi	G_b = 0.18 Msi	Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi
I_x = 1.38 in⁴/ft	S_x = 1.76 in³/ft	Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi
A_w = 2.52 in²/ft	Weight = 4.44 psf	40% Open Area

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	5702	4277	2851	****	****	7560	12	****	****	5162	****	****	7560
18	3745	2809	1872	****	****	7560	18	4325	3244	2162	****	****	5040
24	2529	1897	1265	4742	7114	7560	24	2134	1600	1067	****	****	3780
30	1785	1338	892	2677	4015	6099	30	1185	889	593	1778	2667	3024
36	1312	984	656	1640	2461	5082	36	719	539	360	899	1348	2520
42	1000	750	500	1071	1607	4356	42	466	350	233	500	750	2160
48	784	588	392	735	1103	3812	48	319	239	159	299	448	1890
54	630	473	315	525	788	3388	54	227	170	113	189	284	1506
60	517	388	258	388	581	3049	60	167	125	84	125	188	1220
66	431	323	215	294	441	2772	66	126	95	63	86	129	1008
72	365	274	182	228	342	2541	72	98	73	49	61	92	847
78	312	234	156	180	270	2346	78	77	58	39	45	67	722
84	271	203	135	145	217	2178	84	62	47	31	33	50	622
90	237	177	118	118	177	2033	90	51	38	25	25	38	542
96	209	156	104	98	147	1906	96	42	31	21	20	29	476

Metric

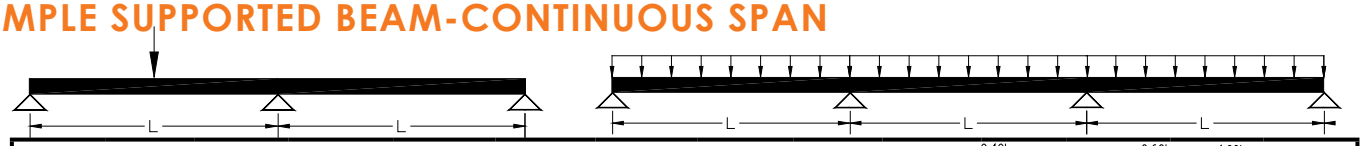
E_b = 36.9 Gpa	G_b = 1.2 Gpa	Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa
I_x = 1.9E-6 m⁴/m	S_x = 9.5E-5 m³/m	Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa
A_w = 5.3E-3 m²/m	Weight = 21.7 kg/m²	40% Open Area

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	96.4	72.3	48.2	****	****	110.3	0.25	****	****	356.6	****	****	441.3
0.50	48.7	36.6	24.4	105.3	****	110.3	0.50	167.4	125.6	83.7	****	****	220.7
0.75	26.7	20.0	13.4	38.5	64.1	90.4	0.75	59.2	44.4	29.6	85.3	142.2	147.1
1.00	16.4	12.3	8.2	17.7	29.5	67.8	1.00	26.8	20.1	13.4	29.0	48.3	110.3
1.25	10.9	8.2	5.5	9.4	15.7	54.3	1.25	14.2	10.7	7.1	12.3	20.5	86.8
1.50	7.8	5.8	3.9	5.6	9.3	45.2	1.50	8.4	6.3	4.2	6.0	10.1	60.3
1.75	5.8	4.3	2.9	3.6	6.0	38.8	1.75	5.3	4.0	2.7	3.3	5.5	44.3
2.00	4.5	3.4	2.2	2.4	4.0	33.9	2.00	3.6	2.7	1.8	1.9	3.2	33.9
2.25	3.6	2.7	1.8	1.7	2.8	30.1	2.25	2.5	1.9	1.3	1.2	2.0	26.8
2.50	2.9	2.2	1.4	1.3	2.1	27.1	2.50	1.9	1.4	0.9	0.8	1.3	21.7
2.75	2.4	1.8	1.2	0.9	1.6	24.7	2.75	1.4	1.1	0.7	0.6	0.9	17.9
3.00	2.0	1.5	1.0	0.7	1.2	22.6	3.00	1.1	0.8	0.5	0.4	0.6	15.1

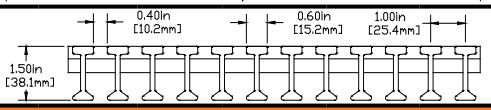
Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERGRATE® PULTRUDED GRATING I4015

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN



Supergrate® Pultruded Grating
I - 4015 (1.5" high I bar)
1500/1525/1625 Series



Imperial

E_b = 5.35 Msi | G_b = 0.18 Msi | Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi

I_x = 1.38 in⁴/ft | S_x = 1.76 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 2.52 in²/ft | Weight = 4.44 psf | 40% Open Area

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)						
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	4844	3229	****	****	6366	**12**	****	****	****	****	****	6300
18	4528	3396	2264	****	****	6366	**18**	****	****	3155	****	****	4200
24	3192	2394	1596	5986	****	6366	**24**	****	2531	1687	****	****	3150
30	2315	1736	1157	3472	5208	6366	**30**	1972	1479	986	****	****	2520
36	1732	1299	866	2166	3248	6256	**36**	1236	927	618	1545	****	2100
42	1335	1002	668	1431	2146	5362	**42**	820	615	410	878	1317	1800
48	1056	792	528	990	1485	4692	**48**	569	427	284	533	800	1575
54	854	640	427	712	1067	4170	**54**	409	307	205	341	512	1400
60	703	527	352	527	791	3753	**60**	304	228	152	228	342	1260
66	589	441	294	401	602	3412	**66**	231	174	116	158	237	1145
72	499	374	250	312	468	3128	**72**	180	135	90	113	169	1050
78	429	322	214	247	371	2887	**78**	143	107	71	82	124	902
84	372	279	186	199	299	2681	**84**	115	86	58	62	92	778
90	326	244	163	163	244	2502	**90**	94	71	47	47	71	678
96	287	215	144	135	202	2346	**96**	78	58	39	36	55	596

Metric

E_b = 36.9 Gpa | G_b = 1.2 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa

I_x = 1.9E-6 m⁴/m | S_x = 9.5E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

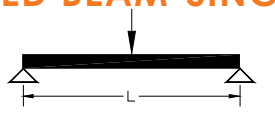
A_w = 5.3E-3 m²/m | Weight = 21.7 kg/m² | 40% Open Area

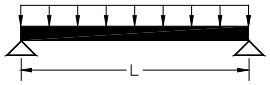
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)						
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	79.6	53.0	****	****	92.9	**0.25**	****	****	****	****	****	367.8
0.50	59.8	44.8	29.9	****	****	92.9	**0.50**	****	****	125.4	****	****	183.9
0.75	34.6	26.0	17.3	49.8	83.1	92.9	**0.75**	98.2	73.7	49.1	****	****	122.6
1.00	21.8	16.3	10.9	23.5	39.2	83.5	**1.00**	46.7	35.0	23.4	50.4	84.1	91.9
1.25	14.7	11.1	7.4	12.7	21.2	66.8	**1.25**	25.4	19.1	12.7	22.0	36.6	73.6
1.50	10.6	7.9	5.3	7.6	12.7	55.7	**1.50**	15.2	11.4	7.6	11.0	18.3	61.3
1.75	7.9	5.9	4.0	4.9	8.1	47.7	**1.75**	9.8	7.3	4.9	6.0	10.1	52.5
2.00	6.1	4.6	3.1	3.3	5.5	41.7	**2.00**	6.7	5.0	3.3	3.6	6.0	42.4
2.25	4.9	3.7	2.4	2.4	3.9	37.1	**2.25**	4.7	3.5	2.4	2.3	3.8	33.5
2.50	4.0	3.0	2.0	1.7	2.9	33.4	**2.50**	3.5	2.6	1.7	1.5	2.5	27.1
2.75	3.3	2.5	1.7	1.3	2.2	30.4	**2.75**	2.6	2.0	1.3	1.0	1.7	22.4
3.00	2.8	2.1	1.4	1.0	1.7	27.8	**3.00**	2.0	1.5	1.0	0.7	1.2	18.8

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

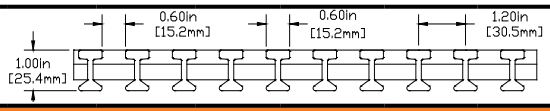
SUPERGRATE® PULTRUDED GRATING I5010

SIMPLE SUPPORTED BEAM-SINGLE SPAN





Supergrate® Pultruded Grating
I - 5010 (1" high I bar)
1500/1525/1625 Series



Imperial

E_b = 5.15 Msi | G_b = 0.18 Msi | Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi

I_x = 0.40 in⁴/ft | S_x = 0.77 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 1.40 in²/ft | Weight = 3.02 psf | 50% Open Area

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	2256	1692	1128	****	****	4200	**12**	3936	2952	1968	****	****	4200
18	1303	977	651	3257	****	4200	**18**	1459	1095	730	****	****	2800
24	818	614	409	1535	2302	3350	**24**	675	506	338	1266	1899	2100
30	554	415	277	831	1246	2680	**30**	362	271	181	543	814	1680
36	397	298	198	496	744	2233	**36**	215	161	107	269	403	1400
42	297	223	149	319	478	1914	**42**	137	103	69	147	221	1094
48	231	173	115	216	324	1675	**48**	93	70	47	87	131	837
54	184	138	92	153	230	1489	**54**	66	49	33	55	82	662
60	150	112	75	112	169	1340	**60**	48	36	24	36	54	536
66	124	93	62	85	127	1218	**66**	36	27	18	25	37	443
72	105	79	52	66	98	1117	**72**	28	21	14	18	26	372
78	90	67	45	52	78	1031	**78**	22	17	11	13	19	317
84	78	58	39	42	62	957	**84**	18	13	9	10	14	273
90	68	51	34	34	51	893	**90**	14	11	7	7	11	238
96	60	45	30	28	42	837	**96**	12	9	6	6	8	209

Metric

E_b = 35.5 Gpa | G_b = 1.2 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa

I_x = 5.5E-7 m⁴/m | S_x = 4.2E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

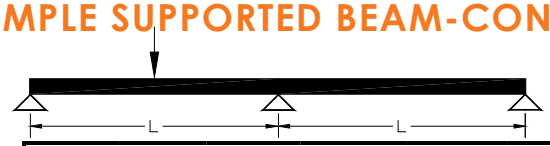
A_w = 3.0E-3 m²/m | Weight = 14.7 kg/m² | 50% Open Area

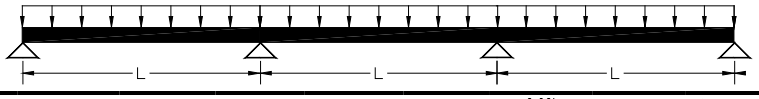
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m2)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	40.7	30.5	20.4	****	****	61.3	**0.25**	****	217.9	145.2	****	****	245.2
0.50	16.5	12.4	8.3	35.7	59.6	59.6	**0.50**	55.2	41.4	27.6	119.3	****	122.6
0.75	8.3	6.2	4.2	12.0	20.0	39.7	**0.75**	18.1	13.6	9.1	26.1	43.5	81.7
1.00	4.9	3.7	2.5	5.3	8.8	29.8	**1.00**	7.9	6.0	4.0	8.6	14.3	59.6
1.25	3.2	2.4	1.6	2.8	4.6	23.8	**1.25**	4.1	3.1	2.1	3.6	6.0	38.1
1.50	2.3	1.7	1.1	1.6	2.7	19.9	**1.50**	2.4	1.8	1.2	1.7	2.9	26.5
1.75	1.7	1.3	0.8	1.0	1.7	17.0	**1.75**	1.5	1.1	0.8	0.9	1.6	19.5
2.00	1.3	1.0	0.6	0.7	1.2	14.9	**2.00**	1.0	0.8	0.5	0.6	0.9	14.9
2.25	1.0	0.8	0.5	0.5	0.8	13.2	**2.25**	0.7	0.5	0.4	0.3	0.6	11.8
2.50	0.8	0.6	0.4	0.4	0.6	11.9	**2.50**	0.5	0.4	0.3	0.2	0.4	9.5
2.75	0.7	0.5	0.3	0.3	0.4	10.8	**2.75**	0.4	0.3	0.2	0.2	0.3	7.9
3.00	0.6	0.4	0.3	0.2	0.3	9.9	**3.00**	0.3	0.2	0.2	0.1	0.2	6.6

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

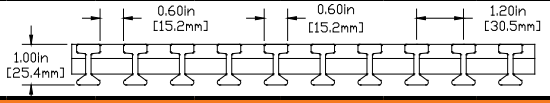
SUPERGRATE® PULTRUDED GRATING I5010

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN





Supergrate® Pultruded Grating
I - 5010 (1" high I bar)
1500/1525/1625 Series



Imperial

E_b = 5.15 Msi | G_b = 0.18 Msi | Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi

I_x = 0.40 in⁴/ft | S_x = 0.77 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_W = 1.40 in²/ft | Weight = 3.02 psf | 50% Open Area

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	2699	2024	1349	****	****	3537	**12**	****	****	2812	****	****	3500
18	1655	1241	828	****	****	3537	**18**	****	1753	1169	****	****	2333
24	1074	805	537	2014	3020	3537	**24**	1148	861	574	****	****	1750
30	740	555	370	1110	1665	3299	**30**	636	477	318	954	****	1400
36	536	402	268	670	1005	2749	**36**	385	289	193	481	722	1167
42	404	303	202	433	650	2356	**42**	250	187	125	267	401	1000
48	315	236	158	295	443	2062	**48**	170	128	85	160	240	875
54	252	189	126	210	315	1833	**54**	121	91	61	101	152	778
60	206	154	103	154	232	1649	**60**	89	67	45	67	100	670
66	171	129	86	117	175	1499	**66**	68	51	34	46	69	554
72	145	109	72	90	136	1374	**72**	52	39	26	33	49	465
78	124	93	62	71	107	1269	**78**	41	31	21	24	36	396
84	107	80	54	57	86	1178	**84**	33	25	17	18	27	342
90	94	70	47	47	70	1100	**90**	27	20	14	14	20	298
96	82	62	41	39	58	1031	**96**	22	17	11	10	16	262

Metric

E_b = 35.5 Gpa | G_b = 1.2 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa

I_x = 5.5E-7 m⁴/m | S_x = 4.2E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

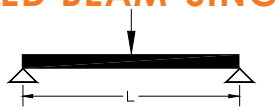
A_W = 3.0E-3 m²/m | Weight = 14.7 kg/m² | 50% Open Area

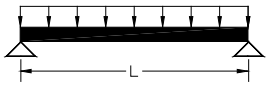
	Allowable Concentrated Load Tables width of panel) (kN/m							"Allowable Uniform Load Tables (kN/m2) "					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	47.2	35.4	23.6	****	****	51.6	**0.25**	****	****	195.0	****	****	204.3
0.50	21.3	15.9	10.6	45.9	****	51.6	**0.50**	90.3	67.7	45.2	****	****	102.2
0.75	11.1	8.3	5.5	16.0	26.6	48.9	**0.75**	31.8	23.8	15.9	45.8	****	68.1
1.00	6.6	5.0	3.3	7.2	12.0	36.7	**1.00**	14.3	10.8	7.2	15.5	25.8	51.1
1.25	4.4	3.3	2.2	3.8	6.3	29.3	**1.25**	7.6	5.7	3.8	6.6	10.9	40.9
1.50	3.1	2.3	1.5	2.2	3.7	24.5	**1.50**	4.5	3.4	2.2	3.2	5.4	33.1
1.75	2.3	1.7	1.2	1.4	2.4	21.0	**1.75**	2.9	2.1	1.4	1.8	2.9	24.3
2.00	1.8	1.3	0.9	1.0	1.6	18.3	**2.00**	1.9	1.4	1.0	1.0	1.7	18.6
2.25	1.4	1.1	0.7	0.7	1.1	16.3	**2.25**	1.4	1.0	0.7	0.7	1.1	14.7
2.50	1.1	0.9	0.6	0.5	0.8	14.7	**2.50**	1.0	0.7	0.5	0.4	0.7	11.9
2.75	0.9	0.7	0.5	0.4	0.6	13.3	**2.75**	0.7	0.6	0.4	0.3	0.5	9.9
3.00	0.8	0.6	0.4	0.3	0.5	12.2	**3.00**	0.6	0.4	0.3	0.2	0.3	8.3

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

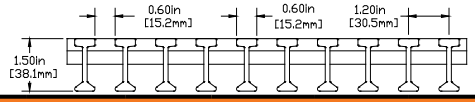
SUPERGRATE® PULTRUDED GRATING I5015

SIMPLE SUPPORTED BEAM-SINGLE SPAN





Supergrate® Pultruded Grating
I - 5015 (1.5" high I bar)
1500/1525/1625 Series



Imperial

E_b = 5.35 Msi | G_b = 0.18 Msi | Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi

I_x = 1.15 in⁴/ft | S_x = 1.47 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 2.10 in²/ft | Weight = 3.77 psf | 50% Open Area

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	4752	3564	2376	****	****	6300	**12**	****	****	4302	****	****	6300
18	3121	2340	1560	****	****	6300	**18**	3604	2703	1802	****	****	4200
24	2108	1581	1054	3952	5928	6300	**24**	1778	1333	889	****	****	3150
30	1487	1115	744	2231	3346	5082	**30**	988	741	494	1482	2222	2520
36	1094	820	547	1367	2050	4235	**36**	599	449	300	749	1124	2100
42	833	625	417	893	1339	3630	**42**	389	292	194	417	625	1800
48	653	490	327	613	919	3176	**48**	266	199	133	249	374	1575
54	525	394	263	438	656	2823	**54**	189	142	95	158	236	1255
60	431	323	215	323	484	2541	**60**	139	104	70	104	157	1016
66	359	269	180	245	367	2310	**66**	105	79	53	72	108	840
72	304	228	152	190	285	2118	**72**	82	61	41	51	77	706
78	260	195	130	150	225	1955	**78**	65	48	32	37	56	601
84	226	169	113	121	181	1815	**84**	52	39	26	28	42	519
90	197	148	99	99	148	1694	**90**	42	32	21	21	32	452
96	174	130	87	81	122	1588	**96**	35	26	17	16	25	397

Metric

E_b = 36.9 Gpa | G_b = 1.2 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa

I_x = 1.6E-6 m⁴/m | S_x = 7.9E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

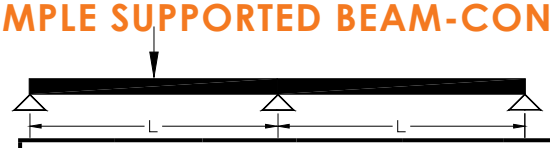
A_w = 4.4E-3 m²/m | Weight = 18.4 kg/m² | 50% Open Area

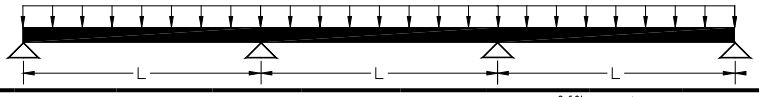
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	80.3	60.3	40.2	****	****	91.9	**0.25**	****	****	297.1	****	****	367.8
0.50	40.6	30.5	20.3	87.7	****	91.9	**0.50**	139.5	104.6	69.8	****	****	183.9
0.75	22.3	16.7	11.1	32.1	53.5	75.4	**0.75**	49.4	37.0	24.7	71.1	118.5	122.6
1.00	13.6	10.2	6.8	14.7	24.6	56.5	**1.00**	22.3	16.8	11.2	24.1	40.2	91.9
1.25	9.1	6.8	4.6	7.9	13.1	45.2	**1.25**	11.8	8.9	5.9	10.2	17.0	72.3
1.50	6.5	4.9	3.2	4.7	7.8	37.7	**1.50**	7.0	5.2	3.5	5.0	8.4	50.2
1.75	4.8	3.6	2.4	3.0	5.0	32.3	**1.75**	4.4	3.3	2.2	2.7	4.6	36.9
2.00	3.7	2.8	1.9	2.0	3.4	28.3	**2.00**	3.0	2.3	1.5	1.6	2.7	28.3
2.25	3.0	2.2	1.5	1.4	2.4	25.1	**2.25**	2.1	1.6	1.1	1.0	1.7	22.3
2.50	2.4	1.8	1.2	1.0	1.7	22.6	**2.50**	1.6	1.2	0.8	0.7	1.1	18.1
2.75	2.0	1.5	1.0	0.8	1.3	20.6	**2.75**	1.2	0.9	0.6	0.5	0.8	14.9
3.00	1.7	1.3	0.8	0.6	1.0	18.8	**3.00**	0.9	0.7	0.5	0.3	0.5	12.6

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

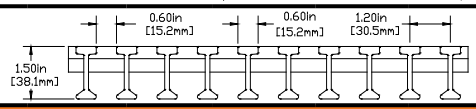
SUPERGRATE® PULTRUDED GRATING I5015

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN





Supergrate® Pultruded Grating
I - 5015 (1.5" high I bar)
1500/1525/1625 Series



Imperial

E_b = 5.35 Msi | G_b = 0.18 Msi | Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi

I_x = 1.15 in⁴/ft | S_x = 1.47 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 2.10 in²/ft | Weight = 3.77 psf | 50% Open Area

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	4036	2691	****	****	5305	**12**	****	****	****	****	****	5250
18	3773	2830	1887	****	****	5305	**18**	****	****	2629	****	****	3500
24	2660	1995	1330	4988	****	5305	**24**	****	2109	1406	****	****	2625
30	1929	1447	964	2893	4340	5305	**30**	1644	1233	822	****	****	2100
36	1444	1083	722	1805	2707	5213	**36**	1030	773	515	1288	****	1750
42	1113	835	556	1192	1789	4468	**42**	683	512	342	732	1098	1500
48	880	660	440	825	1238	3910	**48**	474	355	237	444	666	1313
54	712	534	356	593	889	3475	**54**	341	256	171	284	426	1167
60	586	440	293	440	659	3128	**60**	253	190	127	190	285	1050
66	490	368	245	334	502	2844	**66**	193	145	96	131	197	955
72	416	312	208	260	390	2607	**72**	150	113	75	94	141	875
78	357	268	179	206	309	2406	**78**	119	89	60	69	103	752
84	310	232	155	166	249	2234	**84**	96	72	48	51	77	648
90	271	203	136	136	203	2085	**90**	78	59	39	39	59	565
96	239	180	120	112	168	1955	**96**	65	49	32	30	46	496

Metric

E_b = 36.9 Gpa | G_b = 1.2 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa

I_x = 1.6E-6 m⁴/m | S_x = 7.9E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

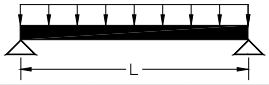
A_w = 4.4E-3 m²/m | Weight = 18.4 kg/m² | 50% Open Area

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	66.3	44.2	****	****	77.4	**0.25**	****	****	****	****	****	306.5
0.50	49.8	37.4	24.9	****	****	77.4	**0.50**	****	****	104.5	****	****	153.2
0.75	28.8	21.6	14.4	41.5	69.2	77.4	**0.75**	81.9	61.4	40.9	****	****	102.2
1.00	18.1	13.6	9.1	19.6	32.7	69.6	**1.00**	38.9	29.2	19.5	42.0	70.1	76.6
1.25	12.3	9.2	6.1	10.6	17.7	55.7	**1.25**	21.2	15.9	10.6	18.3	30.5	61.3
1.50	8.8	6.6	4.4	6.3	10.6	46.4	**1.50**	12.7	9.5	6.3	9.1	15.2	51.1
1.75	6.6	5.0	3.3	4.1	6.8	39.8	**1.75**	8.2	6.1	4.1	5.0	8.4	43.8
2.00	5.1	3.8	2.6	2.8	4.6	34.8	**2.00**	5.5	4.2	2.8	3.0	5.0	35.3
2.25	4.1	3.1	2.0	2.0	3.3	30.9	**2.25**	3.9	2.9	2.0	1.9	3.1	27.9
2.50	3.3	2.5	1.7	1.4	2.4	27.8	**2.50**	2.9	2.2	1.4	1.2	2.1	22.6
2.75	2.8	2.1	1.4	1.1	1.8	25.3	**2.75**	2.2	1.6	1.1	0.9	1.4	18.7
3.00	2.3	1.7	1.2	0.8	1.4	23.2	**3.00**	1.7	1.3	0.8	0.6	1.0	15.7

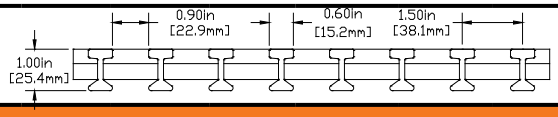
Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERGRATE® PULTRUDED GRATING I6010

SIMPLE SUPPORTED BEAM-SINGLE SPAN



Supergrate® Pultruded Grating
I - 6010 (1" high I bar)
1500/1525/1625 Series



Imperial

E_b = 5.15 Msi | G_b = 0.18 Msi | Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi

I_x = 0.32 in⁴/ft | S_x = 0.62 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 1.12 in²/ft | Weight = 2.65 psf | 60% Open Area

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	1805	1354	902	****	****	3360	**12**	3149	2362	1574	****	****	3360
18	1042	782	521	2605	****	3360	**18**	1168	876	584	****	****	2240
24	655	491	327	1228	1841	2680	**24**	540	405	270	1013	1519	1680
30	443	332	222	665	997	2144	**30**	289	217	145	434	651	1344
36	318	238	159	397	595	1786	**36**	172	129	86	215	322	1120
42	238	178	119	255	382	1531	**42**	110	82	55	118	177	875
48	184	138	92	173	259	1340	**48**	74	56	37	70	105	670
54	147	110	74	123	184	1191	**54**	53	39	26	44	66	529
60	120	90	60	90	135	1072	**60**	39	29	19	29	43	429
66	100	75	50	68	102	974	**66**	29	22	15	20	30	354
72	84	63	42	52	79	893	**72**	22	17	11	14	21	298
78	72	54	36	41	62	825	**78**	18	13	9	10	15	254
84	62	47	31	33	50	766	**84**	14	11	7	8	11	219
90	54	41	27	27	41	715	**90**	12	9	6	6	9	191
96	48	36	24	22	33	670	**96**	10	7	5	4	7	167

Metric

E_b = 35.5 Gpa | G_b = 1.2 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa

I_x = 4.4E-7 m⁴/m | S_x = 3.3E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

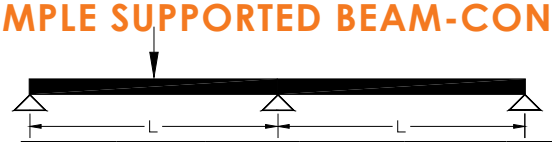
A_w = 2.4E-3 m²/m | Weight = 12.9 kg/m² | 60% Open Area

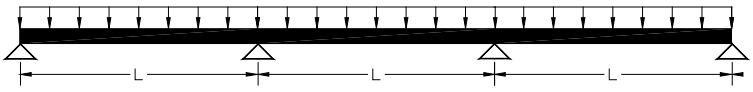
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	32.6	24.4	16.3	****	****	49.0	**0.25**	****	174.3	116.2	****	****	196.1
0.50	13.2	9.9	6.6	28.6	47.6	47.7	**0.50**	44.2	33.1	22.1	95.5	****	98.1
0.75	6.7	5.0	3.3	9.6	16.0	31.8	**0.75**	14.5	10.9	7.2	20.9	34.8	65.4
1.00	3.9	2.9	2.0	4.2	7.1	23.8	**1.00**	6.4	4.8	3.2	6.9	11.4	47.7
1.25	2.6	1.9	1.3	2.2	3.7	19.1	**1.25**	3.3	2.5	1.7	2.9	4.8	30.5
1.50	1.8	1.4	0.9	1.3	2.2	15.9	**1.50**	1.9	1.5	1.0	1.4	2.3	21.2
1.75	1.3	1.0	0.7	0.8	1.4	13.6	**1.75**	1.2	0.9	0.6	0.8	1.3	15.6
2.00	1.0	0.8	0.5	0.6	0.9	11.9	**2.00**	0.8	0.6	0.4	0.4	0.7	11.9
2.25	0.8	0.6	0.4	0.4	0.7	10.6	**2.25**	0.6	0.4	0.3	0.3	0.5	9.4
2.50	0.7	0.5	0.3	0.3	0.5	9.5	**2.50**	0.4	0.3	0.2	0.2	0.3	7.6
2.75	0.5	0.4	0.3	0.2	0.4	8.7	**2.75**	0.3	0.2	0.2	0.1	0.2	6.3
3.00	0.5	0.3	0.2	0.2	0.3	7.9	**3.00**	0.2	0.2	0.1	0.1	0.1	5.3

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

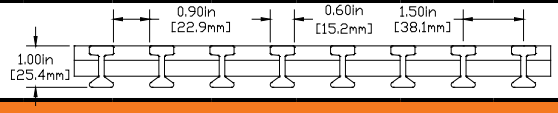
SUPERGRATE® PULTRUDED GRATING I6010

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN





Supergrate® Pultruded Grating
I - 6010 (1" high I bar)
1500/1525/1625 Series



Imperial

E_b = 5.15 Msi | G_b = 0.18 Msi | Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi

I_x = 0.32 in⁴/ft | S_x = 0.62 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 1.12 in²/ft | Weight = 2.65 psf | 60% Open Area

	Allowable Concentrated Load Tables (lb/ft width of panel)						Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)			L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	180	240	360	0.25	0.375	Max. Service Load
12	2159	1619	1080	****	****	2829	****	****	2250	****	****	2800
18	1324	993	662	****	****	2829	****	1402	935	****	****	1867
24	859	644	430	1611	2416	2829	918	689	459	****	****	1400
30	592	444	296	888	1332	2639	509	382	254	763	****	1120
36	429	322	214	536	804	2199	308	231	154	385	578	933
42	324	243	162	347	520	1885	200	150	100	214	321	800
48	252	189	126	236	354	1649	136	102	68	128	192	700
54	202	151	101	168	252	1466	97	73	49	81	121	622
60	165	124	82	124	185	1319	71	54	36	54	80	536
66	137	103	69	93	140	1199	54	41	27	37	55	443
72	116	87	58	72	109	1100	42	31	21	26	39	372
78	99	74	50	57	86	1015	33	25	17	19	29	317
84	86	64	43	46	69	942	27	20	13	14	21	273
90	75	56	37	37	56	880	22	16	11	11	16	238
96	66	49	33	31	46	825	18	13	9	8	13	209

Metric

E_b = 35.5 Gpa | G_b = 1.2 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa

I_x = 4.4E-7 m⁴/m | S_x = 3.3E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

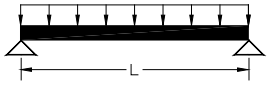
A_w = 2.4E-3 m²/m | Weight = 12.9 kg/m² | 60% Open Area

	Allowable Concentrated Load Tables (kN/m width of panel)						Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)			L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	180	240	360	6	10	Max. Service Load
0.25	37.7	28.3	18.9	****	****	41.3	****	****	156.0	****	****	163.4
0.50	17.0	12.8	8.5	36.7	****	41.3	72.3	54.2	36.1	****	****	81.7
0.75	8.9	6.7	4.4	12.8	21.3	39.1	25.4	19.1	12.7	36.6	****	54.5
1.00	5.3	4.0	2.7	5.7	9.6	29.3	11.5	8.6	5.7	12.4	20.7	40.9
1.25	3.5	2.6	1.8	3.0	5.1	23.5	6.1	4.6	3.0	5.2	8.7	32.7
1.50	2.5	1.9	1.2	1.8	3.0	19.6	3.6	2.7	1.8	2.6	4.3	26.5
1.75	1.8	1.4	0.9	1.1	1.9	16.8	2.3	1.7	1.1	1.4	2.3	19.5
2.00	1.4	1.1	0.7	0.8	1.3	14.7	1.5	1.2	0.8	0.8	1.4	14.9
2.25	1.1	0.8	0.6	0.5	0.9	13.0	1.1	0.8	0.5	0.5	0.9	11.8
2.50	0.9	0.7	0.5	0.4	0.7	11.7	0.8	0.6	0.4	0.3	0.6	9.5
2.75	0.8	0.6	0.4	0.3	0.5	10.7	0.6	0.4	0.3	0.2	0.4	7.9
3.00	0.6	0.5	0.3	0.2	0.4	9.8	0.5	0.3	0.2	0.2	0.3	6.6

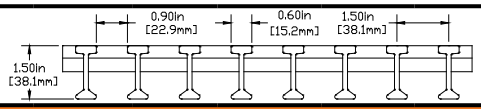
Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERGRATE® PULTRUDED GRATING I6015

SIMPLE SUPPORTED BEAM-SINGLE SPAN



Supergrate® Pultruded Grating
I - 6015 (1.5" high I bar)
1500/1525/1625 Series



Imperial

Eb = 5.35 Msi | **G_b = 0.18 Msi** | **Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi**

I_x = 0.92 in⁴/ft | **S_x = 1.17 in³/ft** | **Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi**

A_w = 1.68 in²/ft | **Weight = 3.11 psf** | **60% Open Area**

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	3801	2851	1901	****	****	5040	**12**	****	****	3442	****	****	5040
18	2497	1872	1248	****	****	5040	**18**	2883	2162	1442	****	****	3360
24	1686	1265	843	3162	4742	5040	**24**	1422	1067	711	****	****	2520
30	1190	892	595	1785	2677	4066	**30**	790	593	395	1185	1778	2016
36	875	656	437	1094	1640	3388	**36**	479	360	240	599	899	1680
42	666	500	333	714	1071	2904	**42**	311	233	155	333	500	1440
48	523	392	261	490	735	2541	**48**	212	159	106	199	299	1260
54	420	315	210	350	525	2259	**54**	151	113	76	126	189	1004
60	344	258	172	258	388	2033	**60**	111	84	56	84	125	813
66	287	215	144	196	294	1848	**66**	84	63	42	57	86	672
72	243	182	122	152	228	1694	**72**	65	49	33	41	61	565
78	208	156	104	120	180	1564	**78**	52	39	26	30	45	481
84	180	135	90	97	145	1452	**84**	41	31	21	22	33	415
90	158	118	79	79	118	1355	**90**	34	25	17	17	25	361
96	139	104	70	65	98	1271	**96**	28	21	14	13	20	318

Metric

E_b = 36.9 Gpa | **G_b = 1.2 Gpa** | **Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa**

I_x = 1.3E-6 m⁴/m | **S_x = 6.3E-5 m³/m** | **Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa**

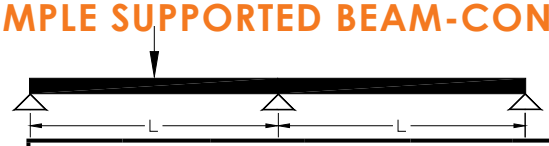
A_w = 3.6E-3 m²/m | **Weight = 15.2 kg/m²** | **60% Open Area**

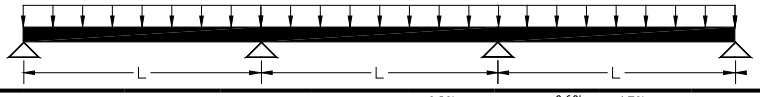
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	64.3	48.2	32.1	****	****	73.6	**0.25**	****	****	237.7	****	****	294.2
0.50	32.5	24.4	16.2	70.2	****	73.6	**0.50**	111.6	83.7	55.8	****	****	147.1
0.75	17.8	13.4	8.9	25.7	42.8	60.3	**0.75**	39.5	29.6	19.7	56.9	94.8	98.1
1.00	10.9	8.2	5.5	11.8	19.6	45.2	**1.00**	17.9	13.4	8.9	19.3	32.2	73.6
1.25	7.3	5.5	3.6	6.3	10.5	36.2	**1.25**	9.5	7.1	4.7	8.2	13.6	57.9
1.50	5.2	3.9	2.6	3.7	6.2	30.1	**1.50**	5.6	4.2	2.8	4.0	6.7	40.2
1.75	3.9	2.9	1.9	2.4	4.0	25.8	**1.75**	3.6	2.7	1.8	2.2	3.7	29.5
2.00	3.0	2.2	1.5	1.6	2.7	22.6	**2.00**	2.4	1.8	1.2	1.3	2.2	22.6
2.25	2.4	1.8	1.2	1.1	1.9	20.1	**2.25**	1.7	1.3	0.8	0.8	1.4	17.9
2.50	1.9	1.4	1.0	0.8	1.4	18.1	**2.50**	1.2	0.9	0.6	0.5	0.9	14.5
2.75	1.6	1.2	0.8	0.6	1.0	16.4	**2.75**	0.9	0.7	0.5	0.4	0.6	12.0
3.00	1.4	1.0	0.7	0.5	0.8	15.1	**3.00**	0.7	0.5	0.4	0.3	0.4	10.0

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

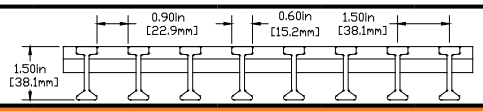
SUPERGRATE® PULTRUDED GRATING I6015

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN





Supergrate® Pultruded Grating
I - 6015 (1.5" high I bar)
1500/1525/1625 Series



Imperial

Eb = 5.35 Msi | **G_b = 0.18 Msi** | **Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi**

I_x = 0.92 in⁴/ft | **S_x = 1.17 in³/ft** | **Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi**

A_W = 1.68 in²/ft | **Weight = 3.11 psf** | **60% Open Area**

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	3229	2153	****	****	4244	**12**	****	****	****	****	****	4200
18	3019	2264	1509	****	****	4244	**18**	****	****	2103	****	****	2800
24	2128	1596	1064	3991	****	4244	**24**	****	1687	1125	****	****	2100
30	1543	1157	772	2315	3472	4244	**30**	1315	986	657	****	****	1680
36	1155	866	577	1444	2166	4170	**36**	824	618	412	1030	****	1400
42	890	668	445	954	1431	3575	**42**	546	410	273	586	878	1200
48	704	528	352	660	990	3128	**48**	379	284	190	355	533	1050
54	569	427	285	474	712	2780	**54**	273	205	136	227	341	933
60	469	352	234	352	527	2502	**60**	203	152	101	152	228	840
66	392	294	196	268	401	2275	**66**	154	116	77	105	158	764
72	333	250	166	208	312	2085	**72**	120	90	60	75	113	700
78	286	214	143	165	247	1925	**78**	95	71	48	55	82	601
84	248	186	124	133	199	1787	**84**	77	58	38	41	62	519
90	217	163	109	109	163	1668	**90**	63	47	31	31	47	452
96	192	144	96	90	135	1564	**96**	52	39	26	24	36	397

Metric

E_b = 36.9 Gpa | **G_b = 1.2 Gpa** | **Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa**

I_x = 1.3E-6 m⁴/m | **S_x = 6.3E-5 m³/m** | **Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa**

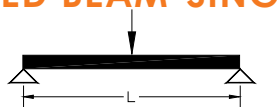
A_W = 3.6E-3 m²/m | **Weight = 15.2 kg/m²** | **60% Open Area**

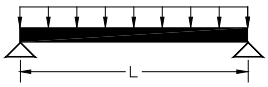
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	53.0	35.4	****	****	61.9	**0.25**	****	****	****	****	****	245.2
0.50	39.9	29.9	19.9	****	****	61.9	**0.50**	****	****	83.6	****	****	122.6
0.75	23.1	17.3	11.5	33.2	55.4	61.9	**0.75**	65.5	49.1	32.7	****	****	81.7
1.00	14.5	10.9	7.3	15.7	26.1	55.7	**1.00**	31.1	23.4	15.6	33.6	56.0	61.3
1.25	9.8	7.4	4.9	8.5	14.2	44.5	**1.25**	16.9	12.7	8.5	14.6	24.4	49.0
1.50	7.0	5.3	3.5	5.1	8.5	37.1	**1.50**	10.1	7.6	5.1	7.3	12.2	40.9
1.75	5.3	4.0	2.6	3.3	5.4	31.8	**1.75**	6.5	4.9	3.3	4.0	6.7	35.0
2.00	4.1	3.1	2.0	2.2	3.7	27.8	**2.00**	4.4	3.3	2.2	2.4	4.0	28.3
2.25	3.3	2.4	1.6	1.6	2.6	24.7	**2.25**	3.1	2.4	1.6	1.5	2.5	22.3
2.50	2.7	2.0	1.3	1.2	1.9	22.3	**2.50**	2.3	1.7	1.2	1.0	1.7	18.1
2.75	2.2	1.7	1.1	0.9	1.4	20.2	**2.75**	1.7	1.3	0.9	0.7	1.1	14.9
3.00	1.9	1.4	0.9	0.7	1.1	18.6	**3.00**	1.3	1.0	0.7	0.5	0.8	12.6

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

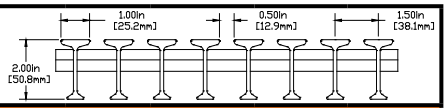
SUPERGRATE® PULTRUDED GRATING T3320

SIMPLE SUPPORTED BEAM-SINGLE SPAN





Supergrate® Pultruded Grating
T - 3320 (2.0" high T bar)
1500/1525/1625 Series



Imperial

E_b = 5.60 Msi | G_b = 0.18 Msi | Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi

I_x = 2.06 in⁴/ft | S_x = 1.71 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 2.24 in²/ft | Weight = 4.13 psf | 33% Open Area

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	6185	4639	3093	****	****	6720	**12**	****	****	5767	****	****	6720
18	4540	3405	2270	****	****	6720	**18**	****	4054	2703	****	****	4480
24	3308	2481	1654	6202	****	6720	**24**	2864	2148	1432	****	****	3360
30	2452	1839	1226	3678	5517	5913	**30**	1663	1247	831	2494	****	2688
36	1863	1397	932	2329	3493	4927	**36**	1038	779	519	1298	1946	2240
42	1451	1088	726	1555	2332	4223	**42**	686	515	343	735	1103	1920
48	1156	867	578	1084	1626	3695	**48**	475	356	238	445	668	1680
54	940	705	470	783	1175	3285	**54**	341	256	171	285	427	1460
60	777	583	389	583	874	2956	**60**	253	190	127	190	285	1183
66	652	489	326	445	667	2688	**66**	193	144	96	131	197	977
72	555	416	277	347	520	2464	**72**	150	112	75	94	140	821
78	477	358	239	275	413	2274	**78**	119	89	59	69	103	700
84	415	311	207	222	333	2112	**84**	96	72	48	51	77	603
90	363	273	182	182	273	1971	**90**	78	59	39	39	59	526
96	321	241	160	150	226	1848	**96**	65	49	32	30	45	462

Metric

E_b = 38.6 Gpa | G_b = 1.2 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa

I_x = 2.8E-6 m⁴/m | S_x = 9.2E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

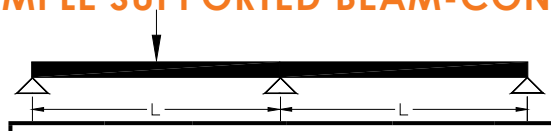
A_w = 4.7E-3 m²/m | Weight = 20.2 kg/m² | 33% Open Area

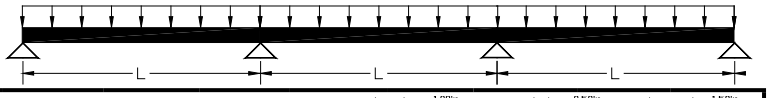
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	74.8	49.9	****	****	98.1	**0.25**	****	****	378.5	****	****	392.3
0.50	60.6	45.4	30.3	****	****	98.1	**0.50**	****	160.7	107.1	****	****	196.1
0.75	36.6	27.5	18.3	52.7	****	87.7	**0.75**	82.9	62.2	41.4	119.3	****	130.8
1.00	23.6	17.7	11.8	25.4	42.4	65.8	**1.00**	39.1	29.4	19.6	42.3	70.5	98.1
1.25	16.2	12.1	8.1	14.0	23.3	52.6	**1.25**	21.2	15.9	10.6	18.3	30.6	78.5
1.50	11.7	8.8	5.8	8.4	14.0	43.8	**1.50**	12.7	9.5	6.3	9.1	15.2	58.4
1.75	8.8	6.6	4.4	5.4	9.0	37.6	**1.75**	8.1	6.1	4.1	5.0	8.4	42.9
2.00	6.8	5.1	3.4	3.7	6.2	32.9	**2.00**	5.5	4.1	2.8	3.0	5.0	32.9
2.25	5.5	4.1	2.7	2.6	4.4	29.2	**2.25**	3.9	2.9	2.0	1.9	3.1	26.0
2.50	4.5	3.3	2.2	1.9	3.2	26.3	**2.50**	2.9	2.2	1.4	1.2	2.1	21.0
2.75	3.7	2.8	1.9	1.5	2.4	23.9	**2.75**	2.2	1.6	1.1	0.9	1.4	17.4
3.00	3.1	2.4	1.6	1.1	1.9	21.9	**3.00**	1.7	1.3	0.8	0.6	1.0	14.6

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

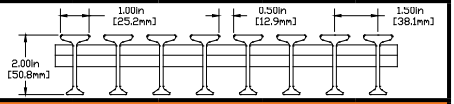
SUPERGRATE® PULTRUDED GRATING T3320

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN





Supergrate® Pultruded Grating
T - 3320 (2.0" high T bar)
1500/1525/1625 Series



Imperial

E_b = 5.60 Msi | G_b = 0.18 Msi | Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi

I_x = 2.06 in⁴/ft | S_x = 1.71 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_W = 2.24 in²/ft | Weight = 4.13 psf | 33% Open Area

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	5049	3366	****	****	5659	**12**	****	****	****	****	****	5600
18	5243	3932	2621	****	****	5659	**18**	****	****	3610	****	****	3733
24	4003	3002	2001	****	****	5659	**24**	****	****	2092	****	****	2800
30	3070	2302	1535	4605	****	5659	**30**	****	1942	1295	****	****	2240
36	2389	1792	1194	2986	4479	5659	**36**	1691	1268	845	****	****	1867
42	1893	1420	946	2028	3042	5199	**42**	1154	865	577	1236	****	1600
48	1527	1145	763	1432	2147	4549	**48**	817	613	409	766	1150	1400
54	1253	939	626	1044	1566	4043	**54**	598	448	299	498	747	1244
60	1043	782	522	782	1173	3639	**60**	449	337	224	337	505	1120
66	880	660	440	600	900	3308	**66**	345	259	172	235	353	1018
72	752	564	376	470	705	3033	**72**	270	203	135	169	253	933
78	649	487	324	374	562	2799	**78**	216	162	108	124	187	862
84	565	424	283	303	454	2599	**84**	175	131	87	94	140	754
90	497	372	248	248	372	2426	**90**	143	107	72	72	107	657
96	440	330	220	206	309	2274	**96**	119	89	59	56	84	577

Metric

E_b = 38.6 Gpa | G_b = 1.2 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa

I_x = 2.8E-6 m⁴/m | S_x = 9.2E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

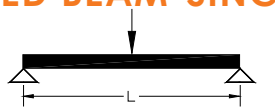
A_W = 4.7E-3 m²/m | Weight = 20.2 kg/m² | 33% Open Area

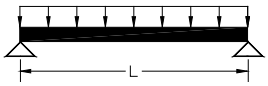
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	79.6	53.1	****	****	82.6	**0.25**	****	****	****	****	****	326.9
0.50	71.0	53.2	35.5	****	****	82.6	**0.50**	****	****	147.1	****	****	163.4
0.75	45.7	34.3	22.9	65.8	****	82.6	**0.75**	****	96.4	64.3	****	****	109.0
1.00	30.5	22.9	15.3	33.0	54.9	80.9	**1.00**	65.0	48.7	32.5	70.2	****	81.7
1.25	21.4	16.0	10.7	18.5	30.8	64.7	**1.25**	36.7	27.5	18.3	31.7	52.8	65.4
1.50	15.7	11.7	7.8	11.3	18.8	54.0	**1.50**	22.4	16.8	11.2	16.2	26.9	54.5
1.75	11.9	8.9	5.9	7.3	12.2	46.2	**1.75**	14.6	11.0	7.3	9.0	15.1	46.7
2.00	9.3	7.0	4.7	5.0	8.4	40.5	**2.00**	10.1	7.5	5.0	5.4	9.0	40.9
2.25	7.5	5.6	3.7	3.6	6.0	36.0	**2.25**	7.2	5.4	3.6	3.4	5.7	32.5
2.50	6.1	4.6	3.1	2.6	4.4	32.4	**2.50**	5.3	4.0	2.6	2.3	3.8	26.3
2.75	5.1	3.8	2.5	2.0	3.3	29.4	**2.75**	4.0	3.0	2.0	1.6	2.6	21.7
3.00	4.3	3.2	2.2	1.6	2.6	27.0	**3.00**	3.1	2.3	1.6	1.1	1.9	18.3

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

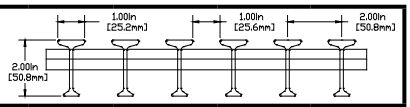
SUPERGRATE® PULTRUDED GRATING T5020

SIMPLE SUPPORTED BEAM-SINGLE SPAN





Supergrate® Pultruded Grating
T - 5020 (2.0" high T bar)
1500/1525/1625 Series



Imperial

E_b = 5.60 Msi | G_b = 0.18 Msi | Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi

I_x = 1.54 in⁴/ft | S_x = 1.28 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 1.68 in²/ft | Weight = 3.11 psf | 50% Open Area

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	4639	3479	2319	****	****	5040	**12**	****	****	4325	****	****	5040
18	3405	2554	1702	****	****	5040	**18**	****	3041	2027	****	****	3360
24	2481	1861	1240	4651	****	5040	**24**	2148	1611	1074	****	****	2520
30	1839	1379	920	2759	4138	4435	**30**	1247	935	624	1871	****	2016
36	1397	1048	699	1747	2620	3695	**36**	779	584	389	973	1460	1680
42	1088	816	544	1166	1749	3168	**42**	515	386	257	551	827	1440
48	867	650	434	813	1219	2772	**48**	356	267	178	334	501	1260
54	705	529	352	587	881	2464	**54**	256	192	128	213	320	1095
60	583	437	291	437	656	2217	**60**	190	142	95	142	214	887
66	489	367	245	334	500	2016	**66**	144	108	72	99	148	733
72	416	312	208	260	390	1848	**72**	112	84	56	70	105	616
78	358	268	179	206	310	1706	**78**	89	67	45	51	77	525
84	311	233	155	167	250	1584	**84**	72	54	36	38	58	453
90	273	204	136	136	204	1478	**90**	59	44	29	29	44	394
96	241	181	120	113	169	1386	**96**	49	36	24	23	34	346

Metric

E_b = 38.6 Gpa | G_b = 1.2 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa

I_x = 2.1E-6 m⁴/m | S_x = 6.9E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

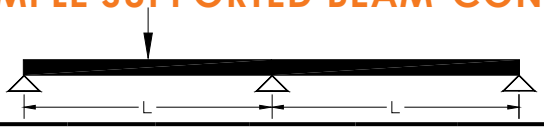
A_w = 3.6E-3 m²/m | Weight = 15.2 kg/m² | 50% Open Area

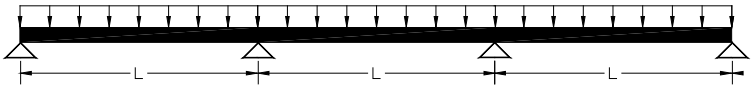
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	56.1	37.4	****	****	73.6	**0.25**	****	****	283.9	****	****	294.2
0.50	45.4	34.1	22.7	****	****	73.6	**0.50**	****	120.5	80.3	****	****	147.1
0.75	27.5	20.6	13.7	39.5	****	65.8	**0.75**	62.2	46.6	31.1	89.5	****	98.1
1.00	17.7	13.3	8.8	19.1	31.8	49.3	**1.00**	29.4	22.0	14.7	31.7	52.8	73.6
1.25	12.1	9.1	6.1	10.5	17.4	39.5	**1.25**	15.9	11.9	8.0	13.7	22.9	58.8
1.50	8.8	6.6	4.4	6.3	10.5	32.9	**1.50**	9.5	7.1	4.8	6.8	11.4	43.8
1.75	6.6	4.9	3.3	4.1	6.8	28.2	**1.75**	6.1	4.6	3.1	3.8	6.3	32.2
2.00	5.1	3.8	2.6	2.8	4.6	24.7	**2.00**	4.1	3.1	2.1	2.2	3.7	24.7
2.25	4.1	3.1	2.1	2.0	3.3	21.9	**2.25**	2.9	2.2	1.5	1.4	2.4	19.5
2.50	3.3	2.5	1.7	1.4	2.4	19.7	**2.50**	2.2	1.6	1.1	0.9	1.6	15.8
2.75	2.8	2.1	1.4	1.1	1.8	17.9	**2.75**	1.6	1.2	0.8	0.6	1.1	13.0
3.00	2.4	1.8	1.2	0.8	1.4	16.4	**3.00**	1.3	0.9	0.6	0.5	0.8	11.0

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

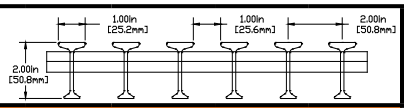
SUPERGRATE® PULTRUDED GRATING T5020

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN





Supergrate® Pultruded Grating
T - 5020 (2.0" high T bar)
1500/1525/1625 Series



Imperial

E_b = 5.60 Msi | G_b = 0.18 Msi | Characteristic longitudinal compressive strength (F_L^c) = 65,000 psi

I_x = 1.54 in⁴/ft | S_x = 1.28 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 1.68 in²/ft | Weight = 3.11 psf | 50% Open Area

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	3787	2524	****	****	4244	**12**	****	****	****	****	****	4200
18	3932	2949	1966	****	****	4244	**18**	****	****	2708	****	****	2800
24	3002	2252	1501	****	****	4244	**24**	****	****	1569	****	****	2100
30	2302	1727	1151	3453	****	4244	**30**	****	1457	971	****	****	1680
36	1792	1344	896	2240	3359	4244	**36**	1268	951	634	****	****	1400
42	1420	1065	710	1521	2282	3899	**42**	865	649	433	927	****	1200
48	1145	859	573	1074	1610	3412	**48**	613	460	307	575	862	1050
54	939	705	470	783	1174	3033	**54**	448	336	224	374	560	933
60	782	587	391	587	880	2729	**60**	337	252	168	252	379	840
66	660	495	330	450	675	2481	**66**	259	194	129	176	265	764
72	564	423	282	352	529	2274	**72**	203	152	101	127	190	700
78	487	365	243	281	421	2099	**78**	162	121	81	93	140	646
84	424	318	212	227	341	1949	**84**	131	98	65	70	105	566
90	372	279	186	186	279	1820	**90**	107	81	54	54	81	493
96	330	247	165	155	232	1706	**96**	89	67	45	42	63	433

Metric

E_b = 38.6 Gpa | G_b = 1.2 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 448 Mpa

I_x = 2.1E-6 m⁴/m | S_x = 6.9E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

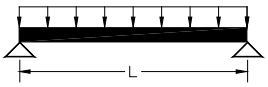
A_w = 3.6E-3 m²/m | Weight = 15.2 kg/m² | 50% Open Area

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	59.7	39.8	****	****	61.9	**0.25**	****	****	****	****	****	245.2
0.50	53.2	39.9	26.6	****	****	61.9	**0.50**	****	****	110.4	****	****	122.6
0.75	34.3	25.7	17.1	49.4	****	61.9	**0.75**	****	72.3	48.2	****	****	81.7
1.00	22.9	17.2	11.4	24.7	41.2	60.7	**1.00**	48.7	36.6	24.4	52.6	****	61.3
1.25	16.0	12.0	8.0	13.9	23.1	48.6	**1.25**	27.5	20.6	13.7	23.7	39.6	49.0
1.50	11.7	8.8	5.9	8.5	14.1	40.5	**1.50**	16.8	12.6	8.4	12.1	20.2	40.9
1.75	8.9	6.7	4.5	5.5	9.2	34.7	**1.75**	11.0	8.2	5.5	6.8	11.3	35.0
2.00	7.0	5.2	3.5	3.8	6.3	30.4	**2.00**	7.5	5.7	3.8	4.1	6.8	30.6
2.25	5.6	4.2	2.8	2.7	4.5	27.0	**2.25**	5.4	4.0	2.7	2.6	4.3	24.4
2.50	4.6	3.4	2.3	2.0	3.3	24.3	**2.50**	4.0	3.0	2.0	1.7	2.9	19.7
2.75	3.8	2.9	1.9	1.5	2.5	22.1	**2.75**	3.0	2.3	1.5	1.2	2.0	16.3
3.00	3.2	2.4	1.6	1.2	1.9	20.2	**3.00**	2.3	1.8	1.2	0.8	1.4	13.7

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERGRATE® MOLDED GRATING GRTxxx

SIMPLE SUPPORTED BEAM-SINGLE SPAN



Supergrate® Molded Grating
1.5" x 1.5" Mesh, 1" Panel Thickness
I, IFR, VFR Series

Imperial

E_b = 1.85 Msi | G_b = 0.04 Msi | Characteristic longitudinal compressive strength (F_L^c) = 31,200 psi

I_x = 0.17 in^4/ft | S_x = 0.33 in^3/ft | Characteristic in-plane shear strength (F_{LT}^v) = 1,600 psi

A_w = 2.00 in^2/ft | Weight = 2.46 psf

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft^2)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	439	329	219	****	****	693	**12**	736	552	368	****	****	1280
18	224	168	112	****	****	462	**18**	245	183	122	611	****	616
24	133	100	66	249	****	347	**24**	108	81	54	202	303	347
30	87	65	44	131	196	277	**30**	56	42	28	84	127	222
36	61	46	31	77	115	231	**36**	33	25	16	41	62	154
42	46	34	23	49	73	198	**42**	21	16	10	22	34	113
48	35	26	18	33	49	173	**48**	14	11	7	13	20	87
54	28	21	14	23	35	154	**54**	10	7	5	8	12	68
60	23	17	11	17	25	139	**60**	7	5	4	5	8	55
66	19	14	9	13	19	126	**66**	5	4	3	4	6	46
72	16	12	8	10	15	116	**72**	4	3	2	3	4	39
78	13	10	7	8	12	107	**78**	3	2	2	2	3	33
84	12	9	6	6	9	99	**84**	3	2	1	1	2	28
90	10	8	5	5	8	92	**90**	2	2	1	1	2	25
96	9	7	4	4	6	87	**96**	2	1	1	1	1	22

Metric

E_b = 12.8 Gpa | G_b = 0.3 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 215 Mpa

I_x = 2.3E-7 m^4/m | S_x = 1.8E-5 m^3/m | Characteristic in-plane shear strength (F_{LT}^v) = 11 Mpa

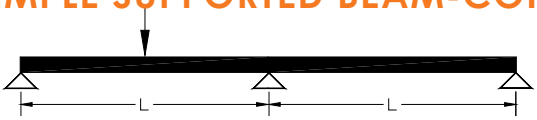
A_w = 4.2E-3 m^2/m | Weight = 12.0 kg/m^2

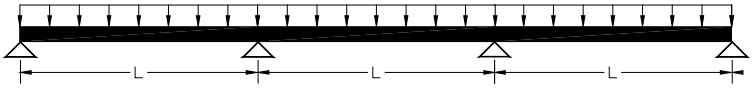
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m^2)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	8.6	6.4	4.3	****	****	12.3	**0.25**	58.4	43.8	29.2	****	****	74.7
0.50	2.8	2.1	1.4	6.0	****	6.2	**0.50**	9.1	6.8	4.5	19.6	****	24.7
0.75	1.3	1.0	0.7	1.9	3.1	4.1	**0.75**	2.8	2.1	1.4	4.1	6.8	11.0
1.00	0.8	0.6	0.4	0.8	1.4	3.1	**1.00**	1.2	0.9	0.6	1.3	2.2	6.2
1.25	0.5	0.4	0.2	0.4	0.7	2.5	**1.25**	0.6	0.5	0.3	0.5	0.9	3.9
1.50	0.3	0.3	0.2	0.2	0.4	2.1	**1.50**	0.4	0.3	0.2	0.3	0.4	2.7
1.75	0.3	0.2	0.1	0.2	0.3	1.8	**1.75**	0.2	0.2	0.1	0.1	0.2	2.0
2.00	0.2	0.1	0.1	0.1	0.2	1.5	**2.00**	0.2	0.1	0.1	0.1	0.1	1.5
2.25	0.2	0.1	0.1	0.1	0.1	1.4	**2.25**	0.1	0.1	0.1	0.1	0.1	1.2
2.50	0.1	0.1	0.1	0.1	0.1	1.2	**2.50**	0.1	0.1	0.0	0.0	0.1	1.0
2.75	0.1	0.1	0.1	0.0	0.1	1.1	**2.75**	0.1	0.0	0.0	0.0	0.0	0.8
3.00	0.1	0.1	0.0	0.0	0.1	1.0	**3.00**	0.0	0.0	0.0	0.0	0.0	0.7

Maximum allowable load is determined by a 5.0 safety factor in both flexure and shear.

SUPERGRATE® MOLDED GRATING GRTxxx

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN





Supergrate® Molded Grating
1.5" x 1.5" Mesh, 1" Panel Thickness
I, IFR, VFR Series

Imperial

E_b = 1.85 Msi | G_b = 0.04 Msi | Characteristic longitudinal compressive strength (F_L^c) = 31,200 psi

I_x = 0.17 in⁴/ft | S_x = 0.33 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 1,600 psi

A_w = 2.00 in²/ft | Weight = 2.46 psf

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	559	420	280	****	****	854	**12**	****	889	593	****	****	1067
18	297	223	149	****	****	569	**18**	425	319	213	****	****	711
24	180	135	90	337	****	427	**24**	194	145	97	363	****	433
30	119	89	59	178	268	341	**30**	103	77	51	154	231	277
36	84	63	42	105	158	285	**36**	61	46	30	76	114	193
42	63	47	31	67	101	244	**42**	39	29	19	42	62	142
48	48	36	24	45	68	213	**48**	26	20	13	25	37	108
54	38	29	19	32	48	190	**54**	19	14	9	15	23	86
60	31	23	16	23	35	171	**60**	14	10	7	10	15	69
66	26	19	13	18	26	155	**66**	10	8	5	7	10	57
72	22	16	11	14	20	142	**72**	8	6	4	5	7	48
78	19	14	9	11	16	131	**78**	6	5	3	4	5	41
84	16	12	8	9	13	122	**84**	5	4	2	3	4	35
90	14	10	7	7	10	114	**90**	4	3	2	2	3	31
96	12	9	6	6	9	107	**96**	3	3	2	2	2	27

Metric

E_b = 12.8 Gpa | G_b = 0.3 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 215 Mpa

I_x = 2.3E-7 m⁴/m | S_x = 1.8E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 11 Mpa

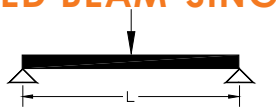
A_w = 4.2E-3 m²/m | Weight = 12.0 kg/m²

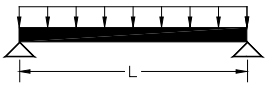
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	10.6	8.0	5.3	****	****	15.2	**0.25**	****	****	44.7	****	****	62.3
0.50	3.7	2.8	1.9	****	****	7.6	**0.50**	16.0	12.0	8.0	****	****	30.8
0.75	1.8	1.3	0.9	2.6	4.3	5.1	**0.75**	5.2	3.9	2.6	7.4	12.4	13.7
1.00	1.0	0.8	0.5	1.1	1.9	3.8	**1.00**	2.2	1.7	1.1	2.4	4.0	7.7
1.25	0.7	0.5	0.3	0.6	1.0	3.0	**1.25**	1.2	0.9	0.6	1.0	1.7	4.9
1.50	0.5	0.4	0.2	0.3	0.6	2.5	**1.50**	0.7	0.5	0.3	0.5	0.8	3.4
1.75	0.3	0.3	0.2	0.2	0.4	2.2	**1.75**	0.4	0.3	0.2	0.3	0.4	2.5
2.00	0.3	0.2	0.1	0.1	0.2	1.9	**2.00**	0.3	0.2	0.1	0.2	0.3	1.9
2.25	0.2	0.2	0.1	0.1	0.2	1.7	**2.25**	0.2	0.2	0.1	0.1	0.2	1.5
2.50	0.2	0.1	0.1	0.1	0.1	1.5	**2.50**	0.1	0.1	0.1	0.1	0.1	1.2
2.75	0.1	0.1	0.1	0.1	0.1	1.4	**2.75**	0.1	0.1	0.1	< 0.1	0.1	1.0
3.00	0.1	0.1	0.1	< 0.1	0.1	1.3	**3.00**	0.1	0.1	< 0.1	< 0.1	0.1	0.9

Maximum allowable load is determined by a 5.0 safety factor in both flexure and shear.

SUPERGRATE® MOLDED GRATING GRTxxx

SIMPLE SUPPORTED BEAM-SINGLE SPAN





Supergrate® Molded Grating
1" x 4" Mesh, 1" Panel Thickness
I, IFR, VFR Series

Imperial

E_b = 1.62 Msi | G_b = 0.11 Msi | Characteristic longitudinal compressive strength (F_L^c) = 31,200 psi

I_x = 0.25 in^4/ft | S_x = 0.50 in^3/ft | Characteristic in-plane shear strength (F_{LT}^v) = 1,600 psi

A_w = 3.00 in^2/ft | Weight = 2.57 psf

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft^2)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	680	510	340	****	****	1040	**12**	1109	832	555	****	****	1920
18	319	239	159	****	****	693	**18**	343	257	172	858	****	924
24	183	137	91	343	514	520	**24**	147	110	73	276	413	520
30	118	89	59	177	266	416	**30**	76	57	38	114	171	333
36	82	62	41	103	154	347	**36**	44	33	22	55	83	231
42	61	46	30	65	98	297	**42**	28	21	14	30	45	170
48	47	35	23	44	65	260	**48**	19	14	9	17	26	130
54	37	28	18	31	46	231	**54**	13	10	7	11	16	103
60	30	22	15	22	34	208	**60**	10	7	5	7	11	83
66	25	19	12	17	25	189	**66**	7	5	4	5	7	69
72	21	16	10	13	19	173	**72**	6	4	3	3	5	58
78	18	13	9	10	15	160	**78**	4	3	2	3	4	49
84	15	11	8	8	12	149	**84**	3	3	2	2	3	42
90	13	10	7	7	10	139	**90**	3	2	1	1	2	37
96	12	9	6	5	8	130	**96**	2	2	1	1	2	33

Metric

E_b = 11.2 Gpa | G_b = 0.8 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 215 Mpa

I_x = 3.4E-7 m^4/m | S_x = 2.7E-5 m^3/m | Characteristic in-plane shear strength (F_{LT}^v) = 11 Mpa

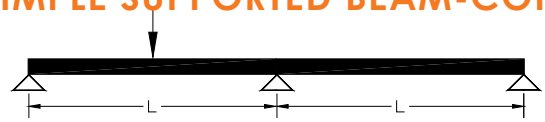
A_w = 6.4E-3 m^2/m | Weight = 12.5 kg/m^2

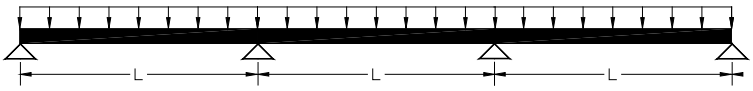
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m^2)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	14.1	10.6	7.1	****	****	18.5	**0.25**	92.8	69.6	46.4	****	****	112.1
0.50	3.9	2.9	2.0	8.5	****	9.3	**0.50**	12.6	9.5	6.3	27.3	****	37.0
0.75	1.8	1.3	0.9	2.6	4.3	6.2	**0.75**	3.8	2.9	1.9	5.5	9.1	16.4
1.00	1.0	0.8	0.5	1.1	1.8	4.6	**1.00**	1.6	1.2	0.8	1.7	2.9	9.3
1.25	0.6	0.5	0.3	0.6	0.9	3.7	**1.25**	0.8	0.6	0.4	0.7	1.2	5.9
1.50	0.5	0.3	0.2	0.3	0.5	3.1	**1.50**	0.5	0.4	0.2	0.3	0.6	4.1
1.75	0.3	0.2	0.2	0.2	0.3	2.6	**1.75**	0.3	0.2	0.2	0.2	0.3	3.0
2.00	0.3	0.2	0.1	0.1	0.2	2.3	**2.00**	0.2	0.2	0.1	0.1	0.2	2.3
2.25	0.2	0.2	0.1	0.1	0.2	2.1	**2.25**	0.1	0.1	0.1	0.1	0.1	1.8
2.50	0.2	0.1	0.1	0.1	0.1	1.9	**2.50**	0.1	0.1	0.1	0.0	0.1	1.5
2.75	0.1	0.1	0.1	0.1	0.1	1.7	**2.75**	0.1	0.1	0.0	0.0	0.1	1.2
3.00	0.1	0.1	0.1	0.0	0.1	1.5	**3.00**	0.1	0.0	0.0	0.0	0.0	1.0

Maximum allowable load is determined by a 5.0 safety factor in both flexure and shear.

SUPERGRATE® MOLDED GRATING GRTxxx

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN





Supergrate® Molded Grating
1" x 4" Mesh, 1" Panel Thickness
I, IFR, VFR Series

Imperial

E_b = 1.62 Msi | G_b = 0.11 Msi | Characteristic longitudinal compressive strength (F_L^c) = 31,200 psi

I_x = 0.25 in⁴/ft | S_x = 0.50 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 1,600 psi

A_w = 3.00 in²/ft | Weight = 2.57 psf

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	912	684	456	****	***	1280	**12**	****	1471	981	****	****	1600
18	435	327	218	****	****	853	**18**	628	471	314	****	****	1067
24	251	189	126	472	****	640	**24**	273	204	136	511	****	650
30	163	122	81	244	367	512	**30**	141	106	71	212	318	416
36	114	85	57	142	214	427	**36**	82	62	41	103	155	289
42	84	63	42	90	135	366	**42**	52	39	26	56	84	212
48	65	48	32	60	91	320	**48**	35	26	18	33	49	163
54	51	38	26	43	64	284	**54**	25	18	12	21	31	128
60	41	31	21	31	47	256	**60**	18	14	9	14	20	104
66	34	26	17	23	35	233	**66**	14	10	7	9	14	86
72	29	22	14	18	27	213	**72**	10	8	5	7	10	72
78	25	18	12	14	21	197	**78**	8	6	4	5	7	62
84	21	16	11	11	17	183	**84**	7	5	3	4	5	53
90	18	14	9	9	14	171	**90**	5	4	3	3	4	46
96	16	12	8	8	11	160	**96**	4	3	2	2	3	41

Metric

E_b = 11.2 Gpa | G_b = 0.8 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 215 Mpa

I_x = 3.4E-7 m⁴/m | S_x = 2.7E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 11 Mpa

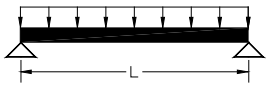
A_w = 6.4E-3 m²/m | Weight = 12.5 kg/m²

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	18.7	14.0	9.3	****	****	22.8	**0.25**	****	****	79.9	****	****	93.4
0.50	5.4	4.0	2.7	****	****	11.4	**0.50**	23.2	17.4	11.6	****	****	46.3
0.75	2.5	1.8	1.2	3.5	5.9	7.6	**0.75**	7.1	5.3	3.5	10.2	17.0	20.6
1.00	1.4	1.0	0.7	1.5	2.5	5.7	**1.00**	3.0	2.3	1.5	3.3	5.4	11.6
1.25	0.9	0.7	0.4	0.8	1.3	4.6	**1.25**	1.6	1.2	0.8	1.3	2.2	7.4
1.50	0.6	0.5	0.3	0.4	0.7	3.8	**1.50**	0.9	0.7	0.5	0.7	1.1	5.1
1.75	0.5	0.3	0.2	0.3	0.5	3.3	**1.75**	0.6	0.4	0.3	0.4	0.6	3.8
2.00	0.4	0.3	0.2	0.2	0.3	2.8	**2.00**	0.4	0.3	0.2	0.2	0.3	2.9
2.25	0.3	0.2	0.1	0.1	0.2	2.5	**2.25**	0.3	0.2	0.1	0.1	0.2	2.3
2.50	0.2	0.2	0.1	0.1	0.2	2.3	**2.50**	0.2	0.1	0.1	0.1	0.1	1.9
2.75	0.2	0.1	0.1	0.1	0.1	2.1	**2.75**	0.1	0.1	0.1	< 0.1	0.1	1.5
3.00	0.2	0.1	0.1	< 0.1	0.1	1.9	**3.00**	0.1	0.1	< 0.1	< 0.1	0.1	1.3

Maximum allowable load is determined by a 5.0 safety factor in both flexure and shear.

SUPERGRATE® MOLDED GRATING GRTxxx

SIMPLE SUPPORTED BEAM-SINGLE SPAN



Supergrate® Molded Grating
1.5" x 1.5" Mesh, 1.5" Panel Thickness
I, IFR, VFR Series

Imperial

E_b = 1.78 Msi | G_b = 0.07 Msi | Characteristic longitudinal compressive strength (F_L^c) = 31,200 psi

I_x = 0.56 in⁴/ft | S_x = 0.75 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 1,600 psi

A_w = 3.00 in²/ft | Weight = 3.90 psf

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	1341	1005	670	****	****	1560	**12**	****	1703	1135	****	****	1920
18	704	528	352	****	****	1040	**18**	774	580	387	****	****	1280
24	423	317	212	****	****	780	**24**	344	258	172	646	****	780
30	280	210	140	419	****	624	**30**	181	136	90	271	407	499
36	198	148	99	247	371	520	**36**	106	80	53	133	199	347
42	147	110	73	157	236	446	**42**	68	51	34	72	108	255
48	113	85	57	106	159	390	**48**	45	34	23	43	64	195
54	90	67	45	75	112	347	**54**	32	24	16	27	40	154
60	73	55	37	55	82	312	**60**	23	18	12	18	26	125
66	61	45	30	41	62	284	**66**	18	13	9	12	18	103
72	51	38	25	32	48	260	**72**	14	10	7	9	13	87
78	43	33	22	25	38	240	**78**	11	8	5	6	9	74
84	38	28	19	20	30	223	**84**	9	6	4	5	7	64
90	33	25	16	16	25	208	**90**	7	5	3	3	5	55
96	29	22	14	13	20	195	**96**	6	4	3	3	4	49

Metric

E_b = 12.3 Gpa | G_b = 0.5 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 215 Mpa

I_x = 7.7E-7 m⁴/m | S_x = 4.0E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 11 Mpa

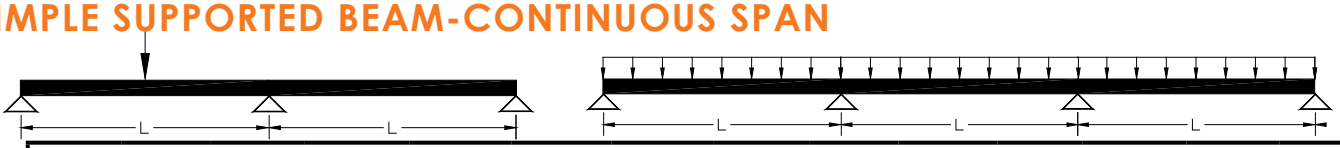
A_w = 6.4E-3 m²/m | Weight = 19.0 kg/m²

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	25.6	19.2	12.8	****	****	27.8	**0.25**	****	****	88.4	****	****	112.1
0.50	8.8	6.6	4.4	****	****	13.9	**0.50**	28.9	21.7	14.4	****	****	55.5
0.75	4.2	3.2	2.1	6.1	****	9.3	**0.75**	9.1	6.8	4.5	13.1	21.8	24.7
1.00	2.4	1.8	1.2	2.6	4.4	6.9	**1.00**	3.9	2.9	2.0	4.2	7.0	13.9
1.25	1.6	1.2	0.8	1.4	2.3	5.6	**1.25**	2.0	1.5	1.0	1.7	2.9	8.9
1.50	1.1	0.8	0.5	0.8	1.3	4.6	**1.50**	1.2	0.9	0.6	0.8	1.4	6.2
1.75	0.8	0.6	0.4	0.5	0.8	4.0	**1.75**	0.7	0.6	0.4	0.5	0.8	4.5
2.00	0.6	0.5	0.3	0.3	0.6	3.5	**2.00**	0.5	0.4	0.2	0.3	0.4	3.5
2.25	0.5	0.4	0.2	0.2	0.4	3.1	**2.25**	0.4	0.3	0.2	0.2	0.3	2.7
2.50	0.4	0.3	0.2	0.2	0.3	2.8	**2.50**	0.3	0.2	0.1	0.1	0.2	2.2
2.75	0.3	0.2	0.2	0.1	0.2	2.5	**2.75**	0.2	0.1	0.1	0.1	0.1	1.8
3.00	0.3	0.2	0.1	0.1	0.2	2.3	**3.00**	0.1	0.1	0.1	0.1	0.1	1.5

Maximum allowable load is determined by a 5.0 safety factor in both flexure and shear.

SUPERGRATE® MOLDED GRATING GRTxxx

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN



Supergrate® Molded Grating
1.5" x 1.5" Mesh, 1.5" Panel Thickness
I, IFR, VFR Series

Imperial

E_b = 1.78 Msi | G_b = 0.07 Msi | Characteristic longitudinal compressive strength (F_L^c) = 31,200 psi

I_x = 0.56 in⁴/ft | S_x = 0.75 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 1,600 psi

A_w = 3.00 in²/ft | Weight = 3.90 psf

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	1261	840	****	****	1617	**12**	****	****	****	****	****	1600
18	926	694	463	****	****	1280	**18**	****	990	660	****	****	1067
24	568	426	284	****	****	960	**24**	611	459	306	****	****	800
30	380	285	190	570	****	768	**30**	328	246	164	492	****	624
36	270	203	135	338	507	640	**36**	195	146	97	244	365	433
42	201	151	101	216	324	549	**42**	125	94	62	134	200	318
48	156	117	78	146	219	480	**48**	84	63	42	79	119	244
54	124	93	62	103	155	427	**54**	60	45	30	50	75	193
60	101	76	50	76	113	384	**60**	44	33	22	33	49	156
66	84	63	42	57	86	349	**66**	33	25	17	23	34	129
72	70	53	35	44	66	320	**72**	26	19	13	16	24	108
78	60	45	30	35	52	295	**78**	20	15	10	12	17	92
84	52	39	26	28	42	274	**84**	16	12	8	9	13	80
90	45	34	23	23	34	256	**90**	13	10	7	7	10	69
96	40	30	20	19	28	240	**96**	11	8	5	5	8	61

Metric

E_b = 12.3 Gpa | G_b = 0.5 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 215 Mpa

I_x = 7.7E-7 m⁴/m | S_x = 4.0E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 11 Mpa

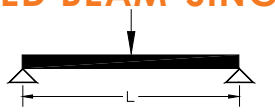
A_w = 6.4E-3 m²/m | Weight = 19.0 kg/m²

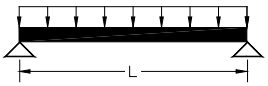
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	23.4	15.6	****	****	23.6	**0.25**	****	****	****	****	****	93.4
0.50	11.7	8.7	5.8	****	****	17.1	**0.50**	****	37.5	25.0	****	****	46.7
0.75	5.7	4.3	2.9	8.2	****	11.4	**0.75**	16.4	12.3	8.2	23.6	****	30.8
1.00	3.3	2.5	1.7	3.6	6.0	8.5	**1.00**	7.2	5.4	3.6	7.8	13.0	17.3
1.25	2.2	1.6	1.1	1.9	3.1	6.8	**1.25**	3.8	2.8	1.9	3.2	5.4	11.1
1.50	1.5	1.1	0.8	1.1	1.8	5.7	**1.50**	2.2	1.6	1.1	1.6	2.6	7.7
1.75	1.1	0.8	0.6	0.7	1.2	4.9	**1.75**	1.4	1.0	0.7	0.9	1.4	5.7
2.00	0.9	0.6	0.4	0.5	0.8	4.3	**2.00**	0.9	0.7	0.5	0.5	0.8	4.3
2.25	0.7	0.5	0.3	0.3	0.5	3.8	**2.25**	0.7	0.5	0.3	0.3	0.5	3.4
2.50	0.6	0.4	0.3	0.2	0.4	3.4	**2.50**	0.5	0.4	0.2	0.2	0.3	2.8
2.75	0.5	0.3	0.2	0.2	0.3	3.1	**2.75**	0.4	0.3	0.2	< 0.1	0.2	2.3
3.00	0.4	0.3	0.2	< 0.1	0.2	2.8	**3.00**	0.3	0.2	< 0.1	< 0.1	0.2	1.9

Maximum allowable load is determined by a 5.0 safety factor in both flexure and shear.

SUPERGRATE® MOLDED GRATING GRTxxx

SIMPLE SUPPORTED BEAM-SINGLE SPAN





Supergrate® Molded Grating
2" x 2" Mesh, 2" Panel Thickness
I, IFR, VFR Series

Imperial

E_b = 1.97 Msi | G_b = 0.05 Msi | Characteristic longitudinal compressive strength (F_L^c) = 31,200 psi

I_x = 1.00 in^4/ft | S_x = 1.00 in^3/ft | Characteristic in-plane shear strength (F_{LT}^v) = 1,600 psi

A_w = 3.00 in^2/ft | Weight = 4.25 psf

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft^2)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	1760	1320	880	****	****	1920	**12**	****	****	1570	****	****	1920
18	1098	823	549	****	****	1387	**18**	1252	939	626	****	****	1280
24	719	539	360	****	****	1040	**24**	601	451	300	****	****	960
30	498	374	249	747	****	832	**30**	328	246	164	493	****	666
36	362	272	181	453	679	693	**36**	197	148	99	247	370	462
42	274	205	137	293	440	594	**42**	127	95	64	136	204	340
48	214	160	107	200	300	520	**48**	87	65	43	81	122	260
54	171	128	86	143	214	462	**54**	61	46	31	51	77	205
60	140	105	70	105	157	416	**60**	45	34	23	34	51	166
66	116	87	58	79	119	378	**66**	34	26	17	23	35	138
72	98	74	49	62	92	347	**72**	26	20	13	16	25	116
78	84	63	42	49	73	320	**78**	21	16	10	12	18	98
84	73	55	36	39	59	297	**84**	17	13	8	9	13	85
90	64	48	32	32	48	277	**90**	14	10	7	7	10	74
96	56	42	28	26	39	260	**96**	11	8	6	5	8	65

Metric

E_b = 13.6 Gpa | G_b = 0.4 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 215 Mpa

I_x = 1.4E-6 m^4/m | S_x = 5.4E-5 m^3/m | Characteristic in-plane shear strength (F_{LT}^v) = 11 Mpa

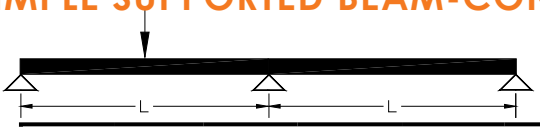
A_w = 6.4E-3 m^2/m | Weight = 20.8 kg/m^2

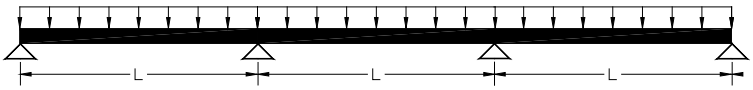
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m^2)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	22.9	15.2	****	****	28.0	**0.25**	****	****	111.3	****	****	112.1
0.50	14.1	10.6	7.1	****	****	18.5	**0.50**	48.0	36.0	24.0	****	****	56.0
0.75	7.5	5.6	3.7	10.8	****	12.3	**0.75**	16.4	12.3	8.2	23.7	****	32.9
1.00	4.5	3.4	2.2	4.9	8.1	9.3	**1.00**	7.3	5.5	3.7	7.9	13.2	18.5
1.25	3.0	2.2	1.5	2.6	4.3	7.4	**1.25**	3.9	2.9	1.9	3.3	5.6	11.8
1.50	2.1	1.6	1.1	1.5	2.5	6.2	**1.50**	2.3	1.7	1.1	1.6	2.7	8.2
1.75	1.6	1.2	0.8	1.0	1.6	5.3	**1.75**	1.4	1.1	0.7	0.9	1.5	6.0
2.00	1.2	0.9	0.6	0.7	1.1	4.6	**2.00**	1.0	0.7	0.5	0.5	0.9	4.6
2.25	1.0	0.7	0.5	0.5	0.8	4.1	**2.25**	0.7	0.5	0.3	0.3	0.5	3.7
2.50	0.8	0.6	0.4	0.3	0.6	3.7	**2.50**	0.5	0.4	0.3	0.2	0.4	3.0
2.75	0.6	0.5	0.3	0.3	0.4	3.4	**2.75**	0.4	0.3	0.2	0.1	0.2	2.4
3.00	0.5	0.4	0.3	0.2	0.3	3.1	**3.00**	0.3	0.2	0.1	0.1	0.2	2.1

Maximum allowable load is determined by a 5.0 safety factor in both flexure and shear.

SUPERGRATE® MOLDED GRATING GRTxxx

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN





Supergrate® Molded Grating
2" x 2" Mesh, 2" Panel Thickness
I, IFR, VFR Series

Imperial

E_b = 1.97 Msi | G_b = 0.05 Msi | Characteristic longitudinal compressive strength (F_L^c) = 31,200 psi

I_x = 1.00 in⁴/ft | S_x = 1.00 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 1,600 psi

A_w = 3.00 in²/ft | Weight = 4.25 psf

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	1526	1017	****	****	1617	**12**	****	****	****	****	****	1600
18	1355	1016	677	****	****	1617	**18**	****	****	949	****	****	1067
24	923	692	461	****	****	1280	**24**	****	735	490	****	****	800
30	655	491	327	982	****	1024	**30**	560	420	280	****	****	640
36	483	362	242	604	****	853	**36**	346	259	173	432	****	533
42	369	277	184	395	593	732	**42**	227	170	113	243	365	424
48	290	217	145	272	407	640	**48**	156	117	78	147	220	325
54	233	175	117	194	291	569	**54**	112	84	56	93	140	257
60	191	143	96	143	215	512	**60**	83	62	41	62	93	208
66	160	120	80	109	163	466	**66**	63	47	31	43	64	172
72	135	101	68	84	127	427	**72**	49	37	24	30	46	144
78	116	87	58	67	100	394	**78**	39	29	19	22	33	123
84	100	75	50	54	81	366	**84**	31	23	16	17	25	106
90	88	66	44	44	66	341	**90**	25	19	13	13	19	92
96	77	58	39	36	54	320	**96**	21	16	10	10	15	81

Metric

E_b = 13.6 Gpa | G_b = 0.4 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 215 Mpa

I_x = 1.4E-6 m⁴/m | S_x = 5.4E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 11 Mpa

A_w = 6.4E-3 m²/m | Weight = 20.8 kg/m²

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	17.1	****	****	23.6	**0.25**	****	****	****	****	****	93.4
0.50	17.7	13.3	8.8	****	****	22.8	**0.50**	****	****	37.3	****	****	46.7
0.75	9.8	7.4	4.9	14.1	****	15.2	**0.75**	27.9	20.9	14.0	****	****	31.1
1.00	6.0	4.5	3.0	6.5	10.9	11.4	**1.00**	13.0	9.7	6.5	14.0	****	23.1
1.25	4.0	3.0	2.0	3.5	5.8	9.1	**1.25**	7.0	5.2	3.5	6.0	10.0	14.8
1.50	2.9	2.2	1.4	2.1	3.5	7.6	**1.50**	4.1	3.1	2.1	3.0	5.0	10.3
1.75	2.1	1.6	1.1	1.3	2.2	6.5	**1.75**	2.7	2.0	1.3	1.6	2.7	7.6
2.00	1.7	1.2	0.8	0.9	1.5	5.7	**2.00**	1.8	1.3	0.9	1.0	1.6	5.8
2.25	1.3	1.0	0.7	0.6	1.1	5.1	**2.25**	1.3	1.0	0.6	0.6	1.0	4.6
2.50	1.1	0.8	0.5	0.5	0.8	4.6	**2.50**	0.9	0.7	0.5	0.4	0.7	3.7
2.75	0.9	0.7	0.4	0.4	0.6	4.1	**2.75**	0.7	0.5	0.4	< 0.1	0.5	3.1
3.00	0.8	0.6	0.4	< 0.1	0.5	3.8	**3.00**	0.5	0.4	< 0.1	< 0.1	0.3	2.6

Maximum allowable load is determined by a 5.0 safety factor in both flexure and shear.

SUPERPANEL

Superpanel deck and wall panel profiles are multi-cellular profiles that can be foam filled for added thermal properties. Superpanel is your ideal candidate for wall panel and decking applications.

FEATURES AND BENEFITS

- Corrosion Resistant
- Non-Conductive
- Lightweight
- Maintenance Free
- Environmentally Safe
- High Strength
- Structurally Stable
- Electromagnetic Transparency
- Easy Standard Installation Methods

ANTISKID INFORMATION

Creative uses a low-VOC, elastomeric polymer antiskid specially formulated for pedestrian traffic. It yields a sealed and weather-resistant
anti-slip surface that meets the requirements of the ADA. Coefficient of Friction Dry 1.3, Wet 0.9.
(ADA min requirement = .6)

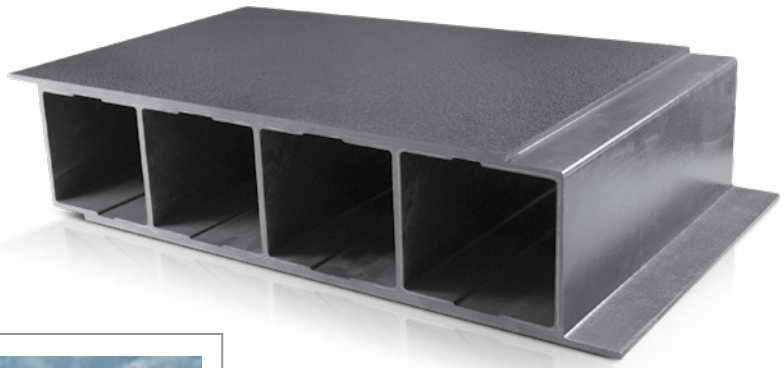
COLOR

Consult the factory for color options.
Note: Special resins, colors and lengths available, contact factory at 888-CPI-PULL.

LEFT: PHOTO COURTESY OF COMPOSITE COOLING SOLUTIONS, LLC.

APPLICATIONS

- WALKWAYS
- MARINA DOCK DECKING
- HEAVY DUTY WALLS
- ROOF PANEL SYSTEMS
- MASS TRANSIT PLATFORMS
- MUD MATS

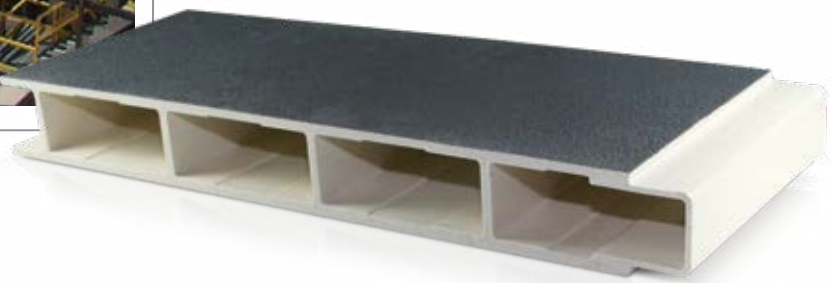


SUPERPANEL PA004 DESCRIPTION

Superpanel PA004 was designed for heavy vehicular traffic and as a walkway deck with limited support beams. The unique connection system can be bonded together to form a composite connection that will not allow water to penetrate the deck. This heavy duty panel can take vehicular and commercial traffic and is available with commercial or pedestrian antiskid.

SUPERPANEL WALL PANEL CT066 DESCRIPTION

Superpanel Wall Panel CT066 was designed for architectural applications requiring structural wall panels. The panel can be used for shelters, industrial buildings cooling towers and dry kilns among many other applications where corrosion resistance and low maintenance is required.

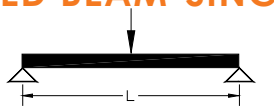


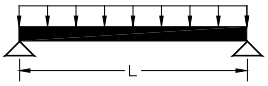
SUPERPANEL CP150

Superpanel was designed to perform as a heavy duty walkway, wall or roof panel system. The tongue and groove system was designed to accept structural adhesive for enhancing composite action between panels. This heavy duty panel can take vehicular traffic and is available with commercial or pedestrian antiskid.

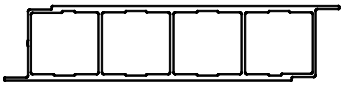
SUPERPANEL PA004

SIMPLE SUPPORTED BEAM-SINGLE SPAN





Superpanel PA004
18" wide x 4.5" depth
1500/1525/1625 Series



Imperial

E_b = 2.80 Msi | G_b = 0.50 Msi | Characteristic longitudinal compressive strength (F_L^c) = 25,000 psi

I_x = 40.0 in^4/ft | S_x = 17.8 in^3/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 3.0 in^2/ft | Weight = 9.1 psf

	Allowable Concentrated Load Tables (lbs./ foot width of panel)							Allowable Uniform Load Tables (psf)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	****	****	****	9000	12	****	****	****	****	****	9000
18	****	****	****	****	****	9000	18	****	****	****	****	****	6000
24	****	****	****	****	****	9000	24	****	****	****	****	****	4500
30	****	****	8315	****	****	9000	30	****	****	****	****	****	3600
36	****	****	6813	****	****	9000	36	****	****	****	****	****	3000
42	****	8421	5614	****	****	9000	42	****	****	****	****	****	2571
48	****	7000	4667	8750	****	9000	48	****	****	1977	****	****	2250
54	7835	5876	3917	6529	****	9000	54	****	****	1462	****	****	2000
60	6643	4982	3321	4982	7473	9000	60	****	1660	1107	1660	****	1800
66	5687	4265	2843	3877	5816	9000	66	****	1285	856	1168	****	1636
72	4912	3684	2456	3070	4605	9000	72	1350	1012	675	844	1265	1500
78	4279	3209	2139	2469	3703	9000	78	1081	811	541	624	935	1385
84	3756	2817	1878	2012	3018	8476	84	878	659	439	471	706	1286
90	3320	2490	1660	1660	2490	7911	90	723	542	361	361	542	1200
96	2954	2215	1477	1384	2077	7417	96	601	451	301	282	423	1125

Metric

E_b = 19.3 Gpa | G_b = 3.4 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 172 Mpa

I_x = 5.5E-5 m^4/m | S_x = 9.6E-4 m^3/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

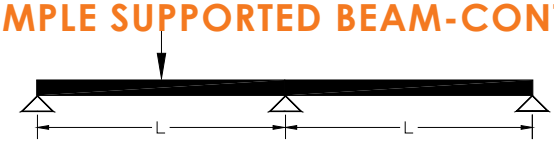
A_w = 6.4E-3 m^2/m | Weight = 44.4 kg/m^2

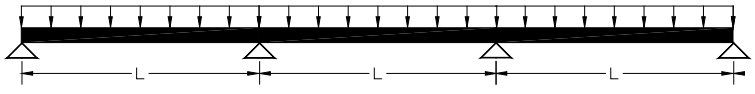
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m^2)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	****	****	****	131.3	0.25	****	****	****	****	****	525.4
0.50	****	****	****	****	****	131.3	0.50	****	****	****	****	****	262.7
0.75	****	****	123.3	****	****	131.3	0.75	****	****	****	****	****	175.1
1.00	****	****	89.1	****	****	131.3	1.00	****	****	****	****	****	131.3
1.25	****	98.5	65.7	113.5	****	131.3	1.25	****	****	88.9	****	****	105.1
1.50	99.4	74.6	49.7	71.6	119.3	131.3	1.50	****	82.9	55.3	79.6	****	87.6
1.75	77.2	57.9	38.6	47.7	79.4	131.3	1.75	72.9	54.7	36.5	45.0	75.0	75.1
2.00	61.4	46.1	30.7	33.2	55.3	131.3	2.00	50.4	37.8	25.2	27.2	45.4	65.7
2.25	49.9	37.4	24.9	23.9	39.9	117.3	2.25	36.2	27.1	18.1	17.4	29.0	58.4
2.50	41.2	30.9	20.6	17.8	29.7	105.6	2.50	26.8	20.1	13.4	11.6	19.3	52.5
2.75	34.5	25.9	17.3	13.6	22.6	96.0	2.75	20.4	15.3	10.2	8.0	13.3	47.8
3.00	29.4	22.0	14.7	10.6	17.6	88.0	3.00	15.8	11.9	7.9	5.7	9.5	43.8

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

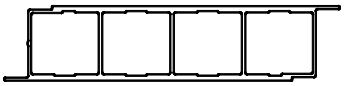
SUPERPANEL PA004

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN





Superpanel PA004
18" wide x 4.5" depth
1500/1525/1625 Series



Imperial

E_b = 2.80 Msi | G_b = 0.50 Msi | Characteristic longitudinal compressive strength (F_L^c) = 25,000 psi

I_x = 40.0 in⁴/ft | S_x = 17.8 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 3.0 in²/ft | Weight = 9.1 psf

	Allowable Concentrated Load Tables (lbs./ foot width of panel)							Allowable Uniform Load Tables (psf)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	****	****	****	7578	12	****	****	****	****	****	7500
18	****	****	****	****	****	7578	18	****	****	****	****	****	5000
24	****	****	****	****	****	7578	24	****	****	****	****	****	3750
30	****	****	****	****	****	7578	30	****	****	****	****	****	3000
36	****	****	****	****	****	7578	36	****	****	****	****	****	2500
42	****	****	6894	****	****	7578	42	****	****	****	****	****	2143
48	****	****	5845	****	****	7578	48	****	****	****	****	****	1875
54	****	7478	4985	****	****	7578	54	****	****	****	****	****	1667
60	****	6422	4281	6422	****	7578	60	****	****	****	****	****	1500
66	7407	5555	3703	5050	7575	7578	66	****	****	****	****	****	1364
72	6453	4840	3226	4033	6050	7578	72	****	****	1150	****	****	1250
78	5660	4245	2830	3266	4898	7578	78	****	****	933	1076	****	1154
84	4998	3748	2499	2677	4016	7578	84	****	****	766	821	****	1071
90	4439	3329	2220	2220	3329	7578	90	****	954	636	636	954	1000
96	3966	2974	1983	1859	2788	7578	96	****	800	533	500	750	938

Metric

E_b = 19.3 Gpa | G_b = 3.4 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 172 Mpa

I_x = 5.5E-5 m⁴/m | S_x = 9.6E-4 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

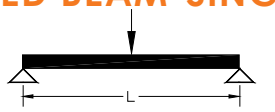
A_w = 6.4E-3 m²/m | Weight = 44.4 kg/m²

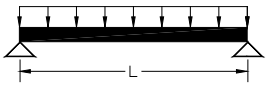
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	****	****	****	110.6	0.25	****	****	****	****	****	437.8
0.50	****	****	****	****	****	110.6	0.50	****	****	****	****	****	218.9
0.75	****	****	****	****	****	110.6	0.75	****	****	****	****	****	145.9
1.00	****	****	108.3	****	****	110.6	1.00	****	****	****	****	****	109.5
1.25	****	****	82.6	****	****	110.6	1.25	****	****	****	****	****	87.6
1.50	****	95.9	64.0	92.1	****	110.6	1.50	****	****	****	****	****	73.0
1.75	101.0	75.8	50.5	62.4	103.9	110.6	1.75	****	****	61.6	****	****	62.5
2.00	81.3	61.0	40.7	43.9	73.2	110.6	2.00	****	****	43.6	47.0	****	54.7
2.25	66.6	49.9	33.3	32.0	53.3	110.6	2.25	****	47.7	31.8	30.5	****	48.6
2.50	55.4	41.5	27.7	23.9	39.9	110.6	2.50	****	35.8	23.8	20.6	34.3	43.8
2.75	46.7	35.0	23.3	18.3	30.6	110.6	2.75	36.6	27.5	18.3	14.4	24.0	39.8
3.00	39.8	29.9	19.9	14.3	23.9	108.3	3.00	28.7	21.5	14.3	10.3	17.2	36.5

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERPANEL CT066

SIMPLE SUPPORTED BEAM-SINGLE SPAN





Superpanel CT066
24" wide x 1.25" depth
1500/1525/1625 Series

Imperial

E_b = 2.50 Msi | G_b = 0.43 Msi | Characteristic longitudinal compressive strength (F_L^c) = 20,000 psi

I_x = 1.01 in^4/ft | S_x = 1.60 in^3/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 0.24 in^2/ft | Weight = 3.0 psf

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft^2)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	****	****	****	720	**12**	****	****	****	****	****	720
18	****	****	544	****	****	720	**18**	****	****	****	****	****	480
24	****	581	387	****	****	720	**24**	****	****	332	****	****	360
30	565	424	282	****	****	720	**30**	****	285	190	****	****	288
36	425	319	212	531	****	720	**36**	235	176	118	****	****	240
42	328	246	164	352	528	720	**42**	155	116	77	166	****	206
48	260	195	130	244	366	720	**48**	107	80	53	100	150	180
54	211	158	105	176	263	720	**54**	76	57	38	64	95	160
60	174	130	87	130	195	720	**60**	56	42	28	42	64	144
66	146	109	73	99	149	720	**66**	43	32	21	29	44	131
72	124	93	62	77	116	711	**72**	33	25	17	21	31	120
78	106	80	53	61	92	656	**78**	26	20	13	15	23	111
84	92	69	46	49	74	610	**84**	21	16	11	11	17	103
90	81	60	40	40	60	569	**90**	17	13	9	9	13	96
96	71	53	36	33	50	533	**96**	14	11	7	7	10	90

Metric

E_b = 17.2 Gpa | G_b = 2.9 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 138 Mpa

I_x = 1.39E-6 m^4/m | S_x = 8.60E-5 m^3/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

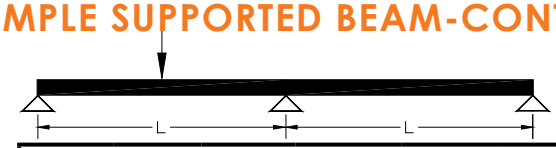
A_w = 5.08E-4 m^2/m | Weight = 14.6 kg/m^2

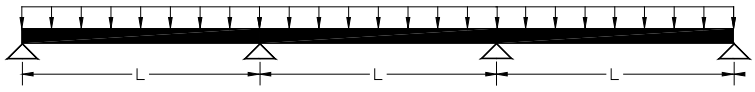
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m^2)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	****	****	****	10.5	**0.25**	****	****	****	****	***	42.0
0.50	****	****	7.2	****	****	10.5	**0.50**	****	****	****	****	****	21.0
0.75	8.4	6.3	4.2	****	****	10.5	**0.75**	****	****	9.5	****	****	14.0
1.00	5.3	4.0	2.7	5.8	9.6	10.5	**1.00**	8.8	6.6	4.4	9.5	****	10.5
1.25	3.6	2.7	1.8	3.1	5.2	10.5	**1.25**	4.8	3.6	2.4	4.1	6.8	8.4
1.50	2.6	2.0	1.3	1.9	3.1	10.5	**1.50**	2.8	2.1	1.4	2.0	3.4	7.0
1.75	2.0	1.5	1.0	1.2	2.0	10.5	**1.75**	1.8	1.4	0.9	1.1	1.9	6.0
2.00	1.5	1.1	0.8	0.8	1.4	9.5	**2.00**	1.2	0.9	0.6	0.7	1.1	5.3
2.25	1.2	0.9	0.6	0.6	1.0	8.4	**2.25**	0.9	0.7	0.4	0.4	0.7	4.7
2.50	1.0	0.7	0.5	0.4	0.7	7.6	**2.50**	0.6	0.5	0.3	0.3	0.5	4.2
2.75	0.8	0.6	0.4	0.3	0.5	6.9	**2.75**	0.5	0.4	0.2	0.2	0.3	3.8
3.00	0.7	0.5	0.3	0.2	0.4	6.3	**3.00**	0.4	0.3	0.2	0.1	0.2	3.5

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERPANEL CT066

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN





Superpanel CT066
24" wide x 1.25" depth
1500/1525/1625 Series

Imperial

E_b = 2.50 Msi | G_b = 0.43 Msi | Characteristic longitudinal compressive strength (F_L^c) = 20,000 psi

I_x = 1.01 in⁴/ft | S_x = 1.60 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 4,500 psi

A_w = 0.24 in²/ft | Weight = 3.0 psf

	Allowable Concentrated Load Tables (lb/ft width of panel)						Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)			L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	180	240	360	0.25	0.375	Max. Service Load
12	****	****	****	****	****	606	****	****	****	****	****	600
18	****	****	****	****	****	606	****	****	****	****	****	400
24	****	****	475	****	****	606	****	****	****	****	****	300
30	****	537	358	****	****	606	****	****	****	****	****	240
36	550	412	275	****	****	606	****	****	195	****	****	200
42	432	324	216	463	****	606	****	****	132	****	****	171
48	346	259	173	324	487	606	****	139	93	****	****	150
54	282	212	141	235	353	606	****	101	67	112	****	133
60	234	176	117	176	264	606	101	76	50	76	114	120
66	197	148	99	134	202	606	77	58	39	53	79	109
72	168	126	84	105	158	606	60	45	30	38	57	100
78	145	109	72	84	125	606	48	36	24	28	42	92
84	126	94	63	67	101	606	39	29	19	21	31	86
90	110	83	55	55	83	606	32	24	16	16	24	80
96	98	73	49	46	69	606	26	20	13	12	19	75

Metric

E_b = 17.2 Gpa | G_b = 2.9 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 138 Mpa

I_x = 1.39E-6 m⁴/m | S_x = 8.60E-5 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 31 Mpa

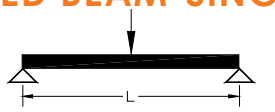
A_w = 5.08E-4 m²/m | Weight = 14.6 kg/m²

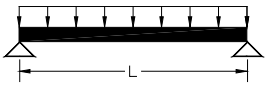
	Allowable Concentrated Load Tables (kN/m width of panel)						Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)			L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	180	240	360	6	10	Max. Service Load
0.25	****	****	****	****	****	8.8	****	****	****	****	****	35.0
0.50	****	****	8.6	****	****	8.8	****	****	****	****	****	17.5
0.75	****	8.0	5.3	****	****	8.8	****	****	****	****	****	11.7
1.00	7.0	5.2	3.5	7.5	****	8.8	****	****	7.5	****	****	8.8
1.25	4.8	3.6	2.4	4.2	7.0	8.8	****	6.2	4.2	****	****	7.0
1.50	3.5	2.6	1.8	2.5	4.2	8.8	5.1	3.8	2.5	3.6	****	5.8
1.75	2.7	2.0	1.3	1.6	2.7	8.8	3.3	2.5	1.6	2.0	3.4	5.0
2.00	2.1	1.6	1.0	1.1	1.9	8.8	2.2	1.7	1.1	1.2	2.0	4.4
2.25	1.7	1.2	0.8	0.8	1.3	8.8	1.6	1.2	0.8	0.8	1.3	3.9
2.50	1.4	1.0	0.7	0.6	1.0	8.8	1.2	0.9	0.6	0.5	0.8	3.5
2.75	1.1	0.8	0.6	0.4	0.7	8.5	0.9	0.7	0.4	0.4	0.6	3.2
3.00	1.0	0.7	0.5	0.3	0.6	7.8	0.7	0.5	0.3	0.2	0.4	2.9

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

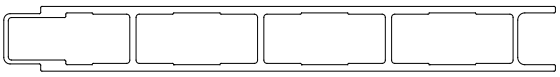
SUPERPANEL CP150

SIMPLE SUPPORTED BEAM-SINGLE SPAN





Superpanel CP150
20.5" wide x 2.5" depth
1500/1525/1625 Series



Imperial

E_b = 2.80 Msi | G_b = 0.50 Msi | Characteristic longitudinal compressive strength (F_L^c) = 25,000 psi

I_x = 9.0 in⁴/ft | S_x = 7.2 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi

A_w = 1.6 in²/ft | Weight = 6.8 psf | Solid Top Decking

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	****	****	****	5333	**12**	****	****	****	****	****	5333
18	****	****	4786	****	****	5333	**18**	****	****	****	****	****	3556
24	****	5283	3522	****	****	5333	**24**	****	****	****	****	****	2667
30	5258	3944	2629	****	****	5333	**30**	****	****	1788	****	****	2133
36	4014	3011	2007	5018	****	5333	**36**	****	1682	1121	****	****	1778
42	3137	2353	1569	3361	5042	5333	**42**	1487	1115	743	****	****	1524
48	2506	1879	1253	2349	3523	5333	**48**	1031	773	516	967	****	1333
54	2040	1530	1020	1700	2550	5333	**54**	742	557	371	619	928	1185
60	1689	1267	845	1267	1900	4800	**60**	551	413	276	413	620	1067
66	1420	1065	710	968	1452	4364	**66**	420	315	210	286	429	970
72	1208	906	604	755	1133	4000	**72**	327	245	163	204	306	889
78	1040	780	520	600	900	3692	**78**	259	194	130	149	224	821
84	904	678	452	484	726	3429	**84**	209	157	104	112	168	762
90	793	594	396	396	594	3200	**90**	171	128	85	85	128	711
96	700	525	350	328	492	3000	**96**	141	106	71	66	99	667

Metric

E_b = 19.3 Gpa | G_b = 3.4 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 172 Mpa

I_x = 1.2E-5 m⁴/m | S_x = 3.9E-4 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa

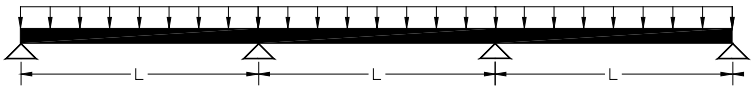
A_w = 3.4E-3 m²/m | Weight = 33.2 kg/m² | Solid Top Decking

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	****	****	****	77.8	**0.25**	****	****	****	****	****	311.3
0.50	****	****	64.1	****	****	77.8	**0.50**	****	****	****	****	****	155.7
0.75	****	58.8	39.2	****	****	77.8	**0.75**	****	****	89.1	****	****	103.8
1.00	50.9	38.1	25.4	54.9	****	77.8	**1.00**	****	63.5	42.4	****	****	77.8
1.25	35.0	26.3	17.5	30.3	50.4	77.8	**1.25**	46.1	34.6	23.0	39.8	****	62.3
1.50	25.4	19.0	12.7	18.3	30.4	71.2	**1.50**	27.6	20.7	13.8	19.9	33.1	51.9
1.75	19.1	14.4	9.6	11.8	19.7	61.0	**1.75**	17.8	13.3	8.9	11.0	18.3	44.5
2.00	14.9	11.2	7.5	8.1	13.4	53.4	**2.00**	12.1	9.0	6.0	6.5	10.9	38.9
2.25	11.9	8.9	6.0	5.7	9.5	47.4	**2.25**	8.6	6.4	4.3	4.1	6.8	34.6
2.50	9.7	7.3	4.9	4.2	7.0	42.7	**2.50**	6.3	4.7	3.1	2.7	4.5	31.1
2.75	8.1	6.1	4.1	3.2	5.3	38.8	**2.75**	4.7	3.6	2.4	1.9	3.1	28.2
3.00	6.8	5.1	3.4	2.5	4.1	35.6	**3.00**	3.7	2.8	1.8	1.3	2.2	23.7

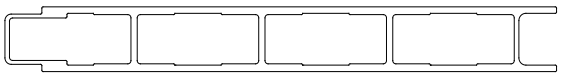
Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERPANEL CP150

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN



Superpanel CP150
20.5" wide x 2.5" depth
1500/1525/1625 Series



Imperial

E_b = 2.80 Msi	G_b = 0.50 Msi	Characteristic longitudinal compressive strength (F_L^c) = 25,000 psi
I_x = 9.0 in⁴/ft	S_x = 7.2 in³/ft	Characteristic in-plane shear strength (F_{LT}^v) = 5,000 psi
A_w = 1.6 in²/ft	Weight = 6.8 psf	Solid Top Decking

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	****	****	****	4491	12	****	****	****	****	****	4444
18	****	****	****	****	****	4491	18	****	****	****	****	****	2963
24	****	****	4239	****	****	4491	24	****	****	****	****	****	2222
30	****	****	3275	****	****	4491	30	****	****	****	****	****	1778
36	****	3844	2563	****	****	4491	36	****	****	****	****	****	1481
42	4077	3058	2039	4369	****	4491	42	****	****	1242	****	****	1270
48	3299	2474	1650	3093	****	4491	48	****	****	882	****	****	1111
54	2712	2034	1356	2260	3391	4491	54	****	970	647	****	****	988
60	2263	1697	1131	1697	2545	4491	60	****	730	486	730	****	889
66	1912	1434	956	1304	1956	4491	66	749	562	374	511	766	808
72	1635	1226	817	1022	1533	4491	72	588	441	294	367	551	741
78	1412	1059	706	815	1222	4491	78	469	352	235	271	406	684
84	1231	923	616	660	989	4220	84	380	285	190	204	305	635
90	1082	812	541	541	812	3939	90	312	234	156	156	234	593
96	958	719	479	449	674	3693	96	259	194	130	121	182	556

Metric

E_b = 19.3 Gpa	G_b = 3.4 Gpa	Characteristic longitudinal compressive strength (F_L^c) = 172 Mpa
I_x = 1.2E-5 m⁴/m	S_x = 3.9E-4 m³/m	Characteristic in-plane shear strength (F_{LT}^v) = 34 Mpa
A_w = 3.4E-3 m²/m	Weight = 33.2 kg/m²	Solid Top Decking

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	****	****	****	65.5	0.25	****	****	****	****	****	259.4
0.50	****	****	****	****	****	65.5	0.50	****	****	****	****	****	129.7
0.75	****	****	48.8	****	****	65.5	0.75	****	****	****	****	****	86.5
1.00	****	49.2	32.8	****	****	65.5	1.00	****	****	****	****	****	64.9
1.25	46.2	34.7	23.1	39.9	****	65.5	1.25	****	****	39.6	****	****	51.9
1.50	33.9	25.5	17.0	24.4	40.7	65.5	1.50	****	36.5	24.3	35.0	****	43.2
1.75	25.8	19.4	12.9	15.9	26.6	65.5	1.75	31.8	23.9	15.9	19.6	32.7	37.1
2.00	20.3	15.2	10.1	10.9	18.2	65.5	2.00	21.9	16.4	10.9	11.8	19.7	32.4
2.25	16.3	12.2	8.1	7.8	13.0	58.4	2.25	15.6	11.7	7.8	7.5	12.5	28.8
2.50	13.3	10.0	6.7	5.8	9.6	52.6	2.50	11.5	8.7	5.8	5.0	8.3	25.9
2.75	11.1	8.3	5.6	4.4	7.3	47.8	2.75	8.8	6.6	4.4	3.4	5.7	23.6
3.00	9.4	7.1	4.7	3.4	5.6	43.8	3.00	6.8	5.1	3.4	2.4	4.1	21.6

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERDECK®

SuperDeck was designed to replace deteriorating wood, concrete and steel bridges. The SuperDeck performs to HS25-44 load standards and is intended for highway traffic. The corrosion resistant deck is 1/5 the weight of traditional concrete deck. It is factory manufactured and shipped to the job site per the engineer's specification. The deck installs very fast and can be connected to steel or concrete girders with shear studs.

FEATURES AND BENEFITS

- Corrosion Resistant
- Non-Conductive
- Lightweight
- Maintenance Free
- Environmentally Safe
- High Strength
- Structurally Stable
- Electromagnetic Transparency
- Easy Standard Installation Methods
- Panels easily removed
- Elimination of Expensive Labor and Equipment

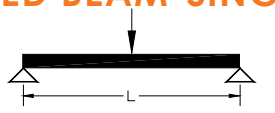
ANTISKID INFORMATION

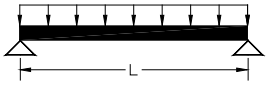
Consult Creative at 888-CPI-PULL (274-7855) for antiskid and wearing surface options.

APPLICATIONS

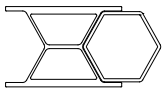
- DECKING FOR WALKWAYS + PLATFORMS
- MARINA DOCK DECKING
- COOLING TOWER DECKING
- PEDESTRIAN BRIDGE DECKS
- VEHICULAR BRIDGES
- COMMERCIAL PIERS

SUPERDECK CP045/CP046
SIMPLE SUPPORTED BEAM-SINGLE SPAN





Superdeck®
8" Highway Deck
1500/1525/1625 Series



Imperial

E_b = 3.50 Msi | G_b = 0.50 Msi | Characteristic longitudinal compressive strength (F_L^c) = 35,000 psi

I_x = 263 in⁴/ft | S_x = 67.4 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 9,000 psi

A_w = 8.0 in²/ft | Weight = 23 psf

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	42392	****	****	48180	12	****	****	****	****	****	48180
18	****	****	39911	****	****	48180	18	****	****	****	****	****	32120
24	****	****	36888	****	****	48180	24	****	****	****	****	****	24090
30	****	****	33615	****	****	48180	30	****	****	****	****	****	19272
36	****	45488	30326	****	****	48180	36	****	****	****	****	****	16060
42	****	40774	27182	****	****	48180	42	****	****	****	****	****	13766
48	****	36418	24279	45523	****	48180	48	****	****	10898	****	****	12045
54	43314	32485	21657	36095	****	48180	54	****	****	8528	****	****	10707
60	38649	28987	19324	28987	43480	48180	60	****	****	6770	****	****	9636
66	34538	25903	17269	23549	35323	48180	66	****	8168	5445	7425	****	8760
72	30934	23200	15467	19334	29001	48180	72	****	6648	4432	5540	****	8030
78	27783	20837	13891	16029	24043	48180	78	7293	5470	3647	4208	6311	7412
84	25029	18772	12515	13409	20113	44933	84	6061	4546	3031	3247	4870	6883
90	22621	16966	11311	11311	16966	41938	90	5084	3813	2542	2542	3813	6424
96	20512	15384	10256	9615	14422	39317	96	4300	3225	2150	2016	3023	6023

Metric

E_b = 24.1 Gpa | G_b = 3.4 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 241 Mpa

I_x = 3.6E-4 m⁴/m | S_x = 3.6E-3 m3/m | Characteristic in-plane shear strength (F_{LT}^v) = 62 Mpa

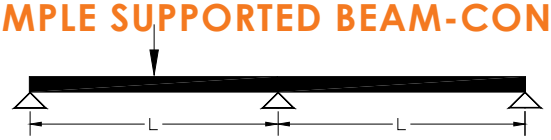
A_w = 1.7E-2 m²/m | Weight = 112 kg/m²

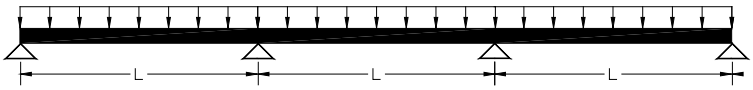
	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	628.9	****	****	703.1	0.25	****	****	****	****	****	2812.5
0.50	****	****	570.7	****	****	703.1	0.50	****	****	****	****	****	1406.3
0.75	****	****	494.4	****	****	703.1	0.75	****	****	****	****	****	937.5
1.00	****	624.6	416.4	****	****	703.1	1.00	****	****	****	****	****	703.1
1.25	692.5	519.4	346.2	598.3	****	703.1	1.25	****	****	495.9	****	****	562.5
1.50	574.2	430.7	287.1	413.4	689.0	703.1	1.50	****	****	335.9	****	****	468.8
1.75	477.8	358.3	238.9	294.8	491.4	703.1	1.75	****	353.6	235.7	290.9	****	401.8
2.00	400.2	300.2	200.1	216.1	360.2	699.5	2.00	341.1	255.8	170.6	184.2	307.0	351.6
2.25	338.0	253.5	169.0	162.2	270.4	621.8	2.25	253.5	190.1	126.8	121.7	202.8	312.5
2.50	288.0	216.0	144.0	124.4	207.4	559.6	2.50	192.8	144.6	96.4	83.3	138.8	281.3
2.75	247.5	185.6	123.8	97.2	162.0	508.8	2.75	149.7	112.3	74.8	58.8	98.0	255.7
3.00	214.5	160.9	107.2	77.2	128.7	466.4	3.00	118.3	88.7	59.1	42.6	71.0	234.4

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

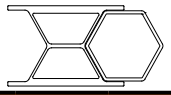
SUPERDECK CP045/CP046

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN





Superdeck®
8" Highway Deck
1500/1525/1625 Series



Imperial

E_b = 3.50 Msi | G_b = 0.50 Msi | Characteristic longitudinal compressive strength (F_L^c) = 35,000 psi

I_x = 263 in⁴/ft | S_x = 67.4 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 9,000 psi

A_w = 8.0 in²/ft | Weight = 23 psf

	Allowable Concentrated Load Tables (lb/ft width of panel)							Allowable Uniform Load Tables (lb/ft²)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	****	****	****	40570	12	****	****	****	****	****	40150
18	****	****	****	****	****	40570	18	****	****	****	****	****	26767
24	****	****	38767	****	****	40570	24	****	****	****	****	****	20075
30	****	****	36107	****	****	40570	30	****	****	****	****	****	16060
36	****	****	33313	****	****	40570	36	****	****	****	****	****	13383
42	****	****	30521	****	****	40570	42	****	****	****	****	****	11471
48	****	****	27830	****	****	40570	48	****	****	****	****	****	10038
54	****	37953	25302	****	****	40570	54	****	****	****	****	****	8922
60	****	34455	22970	34455	****	40570	60	****	****	****	****	****	8030
66	****	31270	20846	28427	****	40570	66	****	****	****	****	****	7300
72	37859	28395	18930	23662	35493	40570	72	****	****	6615	****	****	6692
78	34419	25815	17210	19857	29786	40570	78	****	****	5569	****	****	6177
84	31344	23508	15672	16791	25187	40570	84	****	****	4723	5060	****	5736
90	28599	21449	14299	14299	21449	40570	90	****	****	4032	4032	****	5353
96	26151	19613	13075	12258	18387	40570	96	****	****	3465	3248	4872	5019

Metric

E_b = 24.1 Gpa | G_b = 3.4 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 241 Mpa

I_x = 3.6E-4 m⁴/m | S_x = 3.6E-3 m3/m | Characteristic in-plane shear strength (F_{LT}^v) = 62 Mpa

A_w = 1.7E-2 m²/m | Weight = 112 kg/m²

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	360	6	10	Max. Service Load
0.25	****	****	****	****	****	592.1	0.25	****	****	****	****	***	2343.8
0.50	****	****	591.1	****	****	592.1	0.50	****	****	****	****	****	1171.9
0.75	****	****	530.1	****	****	592.1	0.75	****	****	****	****	****	781.3
1.00	****	****	463.2	****	****	592.1	1.00	****	****	****	****	****	585.9
1.25	****	****	398.5	****	****	592.1	1.25	****	****	****	****	****	468.8
1.50	****	510.6	340.4	490.1	****	592.1	1.50	****	****	****	****	****	390.6
1.75	580.7	435.5	290.3	358.4	****	592.1	1.75	****	****	****	****	****	334.8
2.00	496.5	372.4	248.2	268.1	446.8	592.1	2.00	****	****	261.2	282.1	****	293.0
2.25	426.4	319.8	213.2	204.7	341.1	592.1	2.25	****	****	200.3	192.3	****	260.4
2.50	368.3	276.2	184.2	159.1	265.2	592.1	2.50	****	234.4	156.3	135.0	225.1	234.4
2.75	320.1	240.1	160.1	125.7	209.5	592.1	2.75	****	185.8	123.9	97.3	162.2	213.1
3.00	280.0	210.0	140.0	100.8	168.0	574.1	3.00	****	149.4	99.6	71.7	119.5	195.3

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERDECK MASS TRANSIT DECKING

GR250 was developed specifically for the mass transit industry. As the infrastructure ages and mass transit platforms are repaired and replaced, concrete decks are being upgraded with lightweight, corrosion resistant pultuded decks. The GR250 deck was designed for rapid construction with an integrated tactile and ADA compliant wearing surface. The unique connection system allows contractors to install the deck in a fraction of the time of a concrete deck.

FEATURES AND BENEFITS

- Corrosion Resistant
- Non-Conductive
- Lightweight
- Maintenance Free
- Environmentally Safe
- High Strength
- Structurally Stable
- Electromagnetic Transparency
- Easy Standard Installation Methods
- Panels easily removed
- Elimination of Expensive Labor and Equipment

ANTISKID INFORMATION

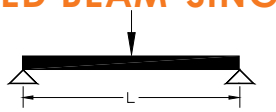
Consult Creative at 888-CPI-PULL (274-7855) for antiskid and wearing surface options.

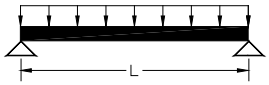
APPLICATIONS

- MASS TRANSIT PLATFORMS
- DECKING FOR WALKWAYS + PLATFORMS
- MARINA DOCK DECKING
- PEDESTRIAN BRIDGE DECKS
- COMMERCIAL PIERS

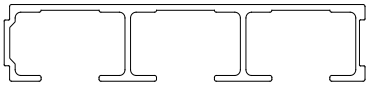
SUPERDECK MASS TRANSIT DECKING (GR250)

SIMPLE SUPPORTED BEAM-SINGLE SPAN





Superdeck Mass Transit Decking GR250
24" wide x 5" depth
1500/1525/1625 Series



Imperial

E_b = 3.50 Msi | G_b = 0.50 Msi | Characteristic longitudinal compressive strength (F_L^c) = 30,000 psi

I_x = 41.2 in⁴/ft | S_x = 13.3 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 10,000 psi

A_w = 3.9 in²/ft | Weight = 9.4 psf

	Allowable Concentrated Load Tables (lbs./ foot width of panel)							Allowable Uniform Load Tables (psf)					
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	18642	****	****	26000	**12**	****	****	****	****	****	26000
18	****	23807	15872	****	****	26000	**18**	****	****	****	****	****	17333
24	****	19708	13138	****	****	26000	**24**	****	****	11961	****	****	13000
30	****	16135	10757	****	****	21280	**30**	****	****	7643	****	****	10400
36	17612	13209	8806	****	****	17733	**36**	****	7668	5112	****	****	8667
42	14503	10877	7252	****	****	15200	**42**	7106	5329	3553	****	****	7429
48	12049	9037	6025	11296	****	13300	**48**	5103	3828	2552	4784	****	6500
54	10110	7583	5055	8425	****	11822	**54**	3771	2828	1885	3142	4713	5254
60	8569	6427	4285	6427	9640	10640	**60**	2855	2141	1428	2141	3212	4256
66	7334	5500	3667	5000	7500	9673	**66**	2208	1656	1104	1506	2258	3517
72	6334	4750	3167	3958	5938	8867	**72**	1740	1305	870	1087	1631	2956
78	5516	4137	2758	3182	4773	8185	**78**	1393	1045	697	804	1206	2518
84	4841	3631	2420	2593	3890	7600	**84**	1132	849	566	606	909	2171
90	4279	3209	2139	2139	3209	7093	**90**	931	698	466	466	698	1892
96	3806	2854	1903	1784	2676	6650	**96**	775	581	387	363	545	1663

Metric

E_b = 24.1 Gpa | G_b = 3.4 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 207 Mpa

I_x = 5.6E-5 m⁴/m | S_x = 7.2E-4 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 69 Mpa

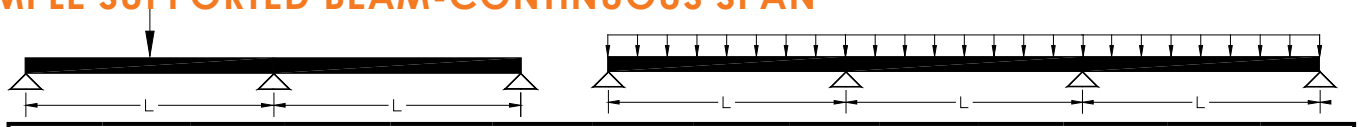
A_w = 8.3E-3 m²/m | Weight = 45.9 kg/m²

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)					
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	300	6	10	Max. Service Load
0.25	****	****	285.1	****	****	379.4	**0.25**	****	****	****	****	****	1517.7
0.50	****	330.1	220.1	****	****	379.4	**0.50**	****	****	****	****	****	758.9
0.75	****	239.2	159.5	****	****	315.5	**0.75**	****	****	378.4	****	****	505.9
1.00	230.2	172.7	115.1	****	****	236.6	**1.00**	****	298.0	198.7	****	****	379.4
1.25	169.6	127.2	84.8	146.5	****	189.3	**1.25**	229.4	172.0	114.7	198.2	****	302.9
1.50	128.3	96.2	64.1	92.4	153.9	157.8	**1.50**	142.6	107.0	71.3	102.7	171.1	210.3
1.75	99.6	74.7	49.8	61.5	102.4	135.2	**1.75**	94.0	70.5	47.0	58.0	96.7	154.5
2.00	79.2	59.4	39.6	42.8	71.3	118.3	**2.00**	65.0	48.7	32.5	35.1	58.5	118.3
2.25	64.3	48.2	32.1	30.8	51.4	105.2	**2.25**	46.6	35.0	23.3	22.4	37.3	93.5
2.50	53.1	39.8	26.5	22.9	38.2	94.7	**2.50**	34.5	25.9	17.3	14.9	24.9	75.7
2.75	44.5	33.4	22.3	17.5	29.1	86.1	**2.75**	26.3	19.7	13.1	10.3	17.2	62.6
3.00	37.8	28.4	18.9	13.6	22.7	78.9	**3.00**	20.4	15.3	10.2	7.3	12.2	52.6

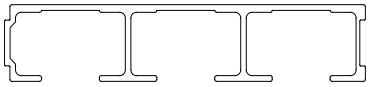
Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

SUPERDECK MASS TRANSIT DECKING (GR250)

SIMPLE SUPPORTED BEAM-CONTINUOUS SPAN



Superdeck Mass Transit Decking GR250
24" wide x 5" depth
1500/1525/1625 Series



Imperial

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I_x = 41.2 in⁴/ft | S_x = 13.3 in³/ft | Characteristic in-plane shear strength (F_{LT}^v) = 10,000 psi

A_w = 3.9 in²/ft | Weight = 9.4 psf

	Allowable Concentrated Load Tables (lbs./ foot width of panel)							Allowable Uniform Load Tables (psf)						
	L/D Ratios			Deflection (in)				L/D Ratios			Deflection (in)		
Span (in)	180	240	360	0.25	0.375	Max. Service Load	Span (in)	180	240	360	0.25	0.375	Max. Service Load
12	****	****	19400	****	****	21893	**12**	****	****	****	****	****	21667
18	****	****	17157	****	****	21893	**18**	****	****	****	****	****	14444
24	****	****	14766	****	****	21893	**24**	****	****	****	****	****	10833
30	****	18784	12522	****	****	21893	**30**	****	****	****	****	****	8667
36	21122	15842	10561	****	****	21828	**36**	****	****	****	****	****	7222
42	17823	13368	8912	****	****	18710	**42**	****	****	5344	****	****	6190
48	15102	11326	7551	14158	****	16371	**48**	****	****	3983	****	****	5417
54	12874	9656	6437	10728	****	14552	**54**	****	4547	3031	****	****	4815
60	11052	8289	5526	8289	12433	13097	**60**	****	3526	2350	3526	****	4333
66	9557	7168	4778	6516	9774	11906	**66**	3706	2780	1853	2527	3791	3939
72	8324	6243	4162	5202	7803	10914	**72**	2966	2225	1483	1854	2781	3611
78	7300	5475	3650	4211	6317	10075	**78**	2406	1805	1203	1388	2082	3148
84	6444	4833	3222	3452	5178	9355	**84**	1976	1482	988	1058	1588	2714
90	5723	4292	2861	2861	4292	8731	**90**	1640	1230	820	820	1230	2364
96	5112	3834	2556	2396	3594	8186	**96**	1375	1031	687	644	967	2078

Metric

E_b = 24.1 Gpa | G_b = 3.4 Gpa | Characteristic longitudinal compressive strength (F_L^c) = 207 Mpa

I_x = 5.6E-5 m⁴/m | S_x = 7.2E-4 m³/m | Characteristic in-plane shear strength (F_{LT}^v) = 69 Mpa

A_w = 8.3E-3 m²/m | Weight = 45.9 kg/m²

	Allowable Concentrated Load Tables (kN/m width of panel)							Allowable Uniform Load Tables (kN/m²)						
	L/D Ratios			Deflection (mm)				L/D Ratios			Deflection (mm)		
Span (m)	180	240	360	6	10	Max. Service Load	Span (m)	180	240	300	6	10	Max. Service Load
0.25	****	****	293.2	****	****	319.5	**0.25**	****	****	****	****	****	1264.8
0.50	****	****	240.6	****	****	319.5	**0.50**	****	****	****	****	****	632.4
0.75	****	277.8	185.2	****	****	319.5	**0.75**	****	****	****	****	****	421.6
1.00	280.1	210.1	140.1	****	****	291.3	**1.00**	****	****	293.2	****	****	316.2
1.25	213.3	160.0	106.6	184.3	****	233.0	**1.25**	****	****	180.2	****	****	253.0
1.50	165.1	123.8	82.6	118.9	****	194.2	**1.50**	****	175.5	117.0	168.5	****	210.8
1.75	130.4	97.8	65.2	80.4	134.1	166.5	**1.75**	159.1	119.3	79.5	98.2	163.6	180.7
2.00	104.9	78.6	52.4	56.6	94.4	145.6	**2.00**	112.4	84.3	56.2	60.7	101.1	147.9
2.25	85.8	64.4	42.9	41.2	68.7	129.5	**2.25**	82.0	61.5	41.0	39.3	65.6	116.9
2.50	71.4	53.5	35.7	30.8	51.4	116.5	**2.50**	61.5	46.1	30.7	26.6	44.3	94.7
2.75	60.2	45.1	30.1	23.6	39.4	105.9	**2.75**	47.2	35.4	23.6	18.5	30.9	78.2
3.00	51.3	38.5	25.7	18.5	30.8	97.1	**3.00**	36.9	27.7	18.5	13.3	22.2	65.7

Maximum allowable load is determined by a 2.5 safety factor in flexure and a 3.0 safety factor in shear.

NOTES

NOTES

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