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BUILDING PRODUCTS
TUFF SPAN™

DuroSpan™ FRP Cooling Tower Panels

Structural Panels for Casing & Louvers

Premium Casing Panels

• Life Cycle Cost Savings • Better Appearance

With superior strength and corrosion resistance DuroSpan™ casing panels from Enduro Composites offer premium performance for end users. Providing long service life, the high quality, FRP materials deliver significant life cycle cost savings.

Superior Strength

• Longer Spans • Low Cost Installation

DuroSpan™ reinforced plastic panels are much stronger than PVC or chopped strand casing. With high content of continuous glass fiber reinforcements, 35% by weight, aligned for optimum performance, the panels have superior strength and stiffness. This results in longer span capability and lower cost installation.

Corrosion Resistance + UV Protection

• Long Service Life • No Maintenance

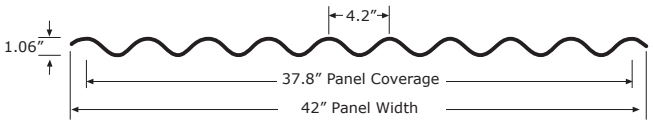
Maintenance free, DuroSpan™ materials do not corrode in wet or tough industrial conditions. Its premium, UV stabilized polyester resin ensures long service life and extended retention of aesthetic properties.

Product Options

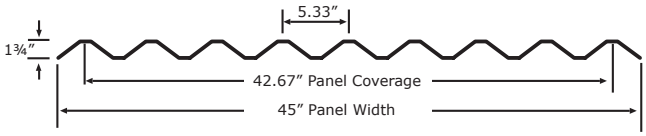
• Profile, Color & Finish Options

The fiberglass siding panels are USA made and available in standard industry profiles and colors. Standard finish is smooth surface on both sides. Standard color is CT Gray with others available. DuroSpan™ (DSFR) casing panels have a Class I flame spread rating of 25 or less per ASTM E 84.

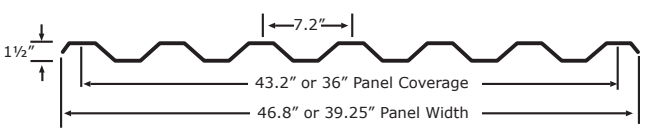
4.2 x 1.06



5.33 x 1.75



7.2 x 1.5



DuroSpan™ Material	Series		
	16	12	08
Weight, Oz/SF (nom.)	16	12	8
Glass Fiber Content	35% by weight		
Flame Spread Rating, DSFR	25 or less per ASTM E 84		
Standard Color	CT Gray 200D		
Standard Finish	Smooth both sides		
Standard Profiles	4.2x1.06_5.33x1.75_7.2x1.5		

Please contact Enduro for other profiles and colors.

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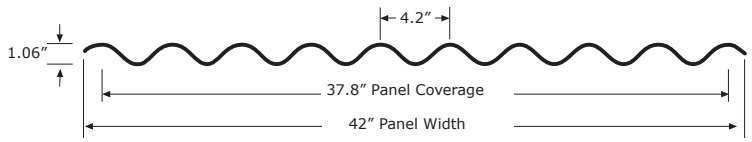
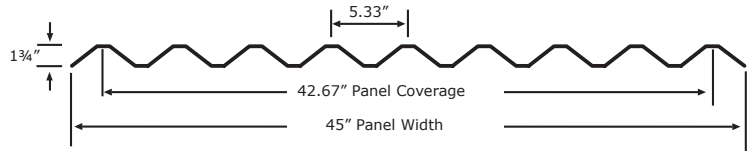
DuroSpan™ 4.2 x 1.06



Casing Wind Load **L/D = 40** **Moment FOS = 1.88** **Pullover FOS = 1.88**

Load, PSF		20			30			40			50			60		
Span		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
SERIES	DS–16	6.25	8.42	7.75	5.42	7.33	6.75	4.92	6.67	6.17	4.58	5.83	5.67	4.33	4.83	5.33
	DS–12	5.75	7.67	7.08	5.00	6.75	6.17	4.50	6.08	5.58	4.17	5.08	5.25	3.92	4.25	4.83
	DS–08	4.67	6.33	5.83	4.08	4.25	4.83	3.75	3.17	3.58	3.42	2.50	2.83	3.25	2.08	2.42

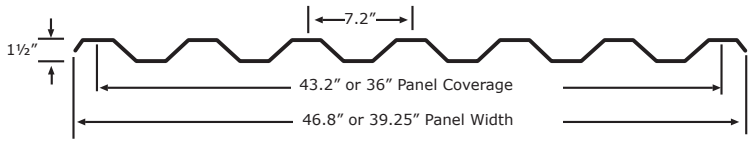
DuroSpan™ 5.33 x 1.75



Casing Wind Load **L/D = 40** **Moment FOS = 1.88** **Pullover FOS = 1.88**

Load, PSF		20			30			40			50			60		
Span		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
SERIES	DS–16	8.83	11.83	10.92	7.67	10.33	9.50	7.00	9.33	8.67	6.50	8.50	8.00	6.08	7.08	7.50
	DS–12	7.33	9.67	9.08	6.42	7.92	7.92	5.83	6.83	7.25	5.42	6.08	6.67	5.08	5.58	6.25
	DS–08	6.33	7.25	7.83	5.58	5.92	6.17	5.00	5.08	5.75	4.58	4.58	5.08	4.17	4.17	4.67

DuroSpan™ 7.2 x 1.5



Casing Wind Load **L/D = 40** **Moment FOS = 1.88** **Pullover FOS = 1.88**

Load, PSF		20			30			40			50			60		
Span		1	2	3	1	2	3	1	2	3	1	2	3	1	2	3
SERIES	DS–16	8.08	10.83	10.00	7.08	9.50	8.75	6.42	8.42	7.92	5.92	6.67	7.33	5.58	5.58	6.33
	DS–12	7.33	9.67	9.08	6.42	7.92	7.92	5.83	6.83	7.25	5.42	6.08	6.67	5.08	5.08	5.83
	DS–08	6.33	7.25	7.83	5.58	5.92	6.17	5.00	4.75	5.42	4.58	3.75	4.33	4.17	3.17	3.58

1) Spans for uniform loads are shown in lineal feet and based on panel fasteners with .729″ diam. washer at each support: 4.2x1.06 at every other low rib; 5.33x1.75 and 7.2x1.5 at every low rib.

2) Spans are based on large–scale tests that consider: Bending Moment at failure; Flexural Stiffness; Pullover Force per fastener.

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