

Grating Selection

Delta Composite Structures offers both molded and pultruded gratings. The following table provides assistance in selecting the best grating for the application.

DeltaGrate™ HS Molded Grating vs. DeltaSpan™ Pultruded Grating		
Characteristic/Application	Square Mesh Molded Grating	Pultruded Grating
Chemical Resistance	Excellent	Good
Bi-directional Strength	Excellent	Not Recommended
Uni-directional Strength	Very Good	Excellent
Impact Resistance	Excellent	Average
Weight Savings versus Metal	Excellent	Excellent
Open Area (air flow, light penetration)	Excellent (70% to 80%)	Good (40% to 60%)
Panel Sizes Available	Excellent	Excellent
Pipe Penetrations	Excellent	Average
Safety	Excellent	Excellent

For any applications requiring our molded fiberglass gratings, please see the DeltaGrate™ HS Molded Fiberglass Grating brochure for additional information.

DeltaSpan™ Pultruded Grating Sizes and Specifications					
Grating Thickness	Mesh Description	Bars/ft	Panel Sizes Available	Weight (psf)	% Open Area
1"	1" I-Beam, I4010	12	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	3.52	40%
1"	1" I-Beam, I5010**	10	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	2.97	50%
1 1/2"	1 1/2" I-Beam, I4015	12	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	4.21	40%
1 1/2"	1 1/2" I-Beam, I5015**	10	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	3.54	50%
1 1/2"	1 1/2" I-Beam, I6015	8	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	2.88	60%
2"	2" T-Beam, T3320	8	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	3.90	33%
2"	2" T-Beam, T5020	6	3', 4', 5'* - widths 8', 10', 12', 20' - lengths	4.21	50%

*Note - 5' widths are non-stocked items. Please consult factory for delivery.

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