

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
Unidirectional 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 pultruded fiberglass gratings, please see the DeltaSpan Pultruded Fiberglass Grating brochure for additional information.

DeltaGrate™ HS Molded Grating Sizes and Specifications					
Grating Thickness	Mesh Description	Bars/ft	Panel Sizes Available	Weight (psf)	% Open Area
1/2"	1 1/2" x 1 1/2" Square (DeltaScreen™)	8	4' x 8' 4' x 12'	0.8	87%
1/2"	1/2" x 1" x 4" Rectangular (DeltaLite™)	12	3' x 10' 4' x 8'	1.2	68%
1/2"	2" x 2" Square (DeltaLite™)	6	4' x 12'	1.08	71%
1"	1" x 4" Rectangular	12	3' x 10'	2.6	68%
1"	1 1/2" x 1 1/2" Square	8	3' x 10', 4' x 8' 4' x 12'	2.5	68%
1-1/4"	.79" Square (Mini-Mesh™)	16	3.3' x 9.8' (1m x 3m)	3.86	42%
1-1/4" (30mm)	1 1/2" x 1 1/2" Square 40mm x 40mm	8	4m x 1m 3m x 1m 2m x 1m	3.2	68%
1 1/2"	1 1/2" x 1 1/2" Square	8	3' x 10' x 4' x 8' 4' x 12', 5' x 10'	3.8	68%
1 1/2"	1" x 6" Rectangular (DeltaTread™)	12	22 1/4" x 10'	4.85	56%*
2"	2" x 2" Square	6	4' x 12'	4.5	71%

*including the solid nosing