

Grating Selection Guide

DeltaGrate HS Molded Grating

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

Please refer to our DeltaGrate and DeltaSpan brochures for additional product information.

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

DeltaGrate HS Molded Grating vs. DeltaSpan Pultruded Grating					
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 400mm 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', 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%