

Mega Zorbe™ & Mega Zorbe Pro™ Hydrophobic Melamine Foam

SPEC SHEET

- ✓ Improves Acoustics
- ✓ Super Lightweight
- ✓ Peel & Stick Install
- ✓ Thermally Insulating
- ✓ Class A Fire Rated
- ✓ OEM Approved



Material:	Hydrophobic, Open Cell Melamine Foam
Patterns:	Flat, Non-Fibrous Sheets
Features:	Improves Acoustics, Super Lightweight, Peel & Stick Install, Thermally Insulating, Class A Fire Rated, OEM Approved, Aerospace/Transportation/Architectural Approved, Non-Fibrous, Non-Toxic
Application:	Car Doors, Car Roofs, Behind Van Wall Panels, Aviation, Aerospace, Trains, Subways, Buses, Ambulances
Thickness:	Mega Zorbe™: 1/2" Mega Zorbe Pro™: 1" or 2"
Size:	Mega Zorbe™: 24" x 24" (4 sq ft) Mega Zorbe Pro™: 24" x 48" (8 sq ft)
Weight	Mega Zorbe™: ~0.1lbs Mega Zorbe Pro™: ~0.4lbs/inch of thickness
Color:	Smoke White
R-Value:	4.16 per inch
Temperature Rating:	-40°F to 350°F (-350°F to 350°F without adhesive)
Flammability:	ASTM E84, Class A Flame Spread: <25 Smoke Developed: <50
Installation:	Peel & Stick, Mega Zorbe™ Available with No Adhesive Backing

Noise Reduction Coefficient

Size	Test Mount	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	NRC
Mega Zorbe™ - 1/2"	A-Mount	0.11	0.12	0.25	0.42	0.77	0.94	0.40
Mega Zorbe Pro™ - 1"	A-Mount	0.18	0.23	0.50	0.82	0.99	0.99	0.65
Mega Zorbe Pro™ - 2"	A-Mount	0.31	0.60	0.75	0.90	1.00	1.00	0.80

Material Testing

Tested Properties	Testing Method	Performance
Horizontal Burning	UL 94 HF-1	Pass
Vertical Burning	UL 94 V-0	Pass
60 Sec Vertical	FAR 25.853 (a, i)	Burn Time (Avg): 0 Seconds Burn Length (Avg): 2" Drip Extinguish Time: No Drip
Radiant Panel	FAR 25.856, BSS7365, AITM 2.0053	After Flame: 0 Seconds Flame Propagation: < 1"
Smoke Generation	ASTM 662-83, BSS7238	Flaming: Ds (1.5 min) = 57 Ds (4.0 min) = 77
Toxicity	BSS7239	Pass
Steiner Tunnel, 1" thick	ASTM E 84	Flame Spread < 25 Smoke Developed < 50
Surface Flammability	ASTM E 162-83	Flame Spread factor 1.83 Heat Evolution factor 2.50 Flame Spread index 4.62
	DIN 5510	Flammability: S4 Smoke: SR2 Drips: ST2
Water Absorption	ASTM D2842, B	<1.5% after 15 mins <4% after 96 hrs
Water Repellency:	PTI Internal	35% Average weight gain, max (note: standard melamine foam avg. weight gain is over 10,000%; Polyimide foam avg. Weight gain is over 400%)