



FIBERGLAS™ 700 SERIES BOARD TYPES 706 AND 707 FIBERGLASS INSULATION

Type 706 and Type 707 Series Acoustic Boards are made of inorganic glass fibers with a thermosetting resin binder and formed into rigid rectangular boards. Both Type 706 and Type 707 come with a smooth surface to accommodate fabrics or surface coating for acoustical wall panels and specialized ceiling applications.

Features

- Mold-resistant per ASTM C1338
- Efficiently reduces sound transmission
- 706 and 707 are lightweight, resilient, and easy to handle and fabricate

Physical Properties

PROPERTY	TEST METHOD	VALUE
Density (size dependent)	ASTM C303	Type 706: 6.0 pcf (96 kg/m ³) Type 707: 7.0 pcf (112 kg/m ³)
Operating Temperature Range ¹	ASTM C411	0 to 450°F (-18 to 232°C)
Water Vapor Sorption	ASTM C1104	<2% by weight at 120°F (49°C), 95% R.H.
Fungi Resistance	ASTM C1338	Meets requirements

CORROSION RESISTANCE	TEST METHOD	VALUE
Corrosion to Copper and Aluminum	ASTM C665	Pass – copper and aluminum
Corrosion to Steel	ASTM C1617	Pass

FIRE	TEST METHOD	VALUE
Surface Burning Characteristics ²	UL 723, ASTM E84, and CAN/ULC S102	Unfaced Flame Spread Index 5 Smoke Developed Index 5

¹ Maximum thickness at 450°F (232°C) – 703 and 705: 4" (102 mm).
² The surface burning characteristics of these products have been determined in accordance with UL 723, ASTM E84, and CAN/ULC-S102. Values are reported to the nearest 5 rating.

Standards, Codes Compliance

- ASTM C612, Mineral Fiber Block & Board Thermal Insulation, Types IA, IB – Types 706 and 707
- Does not contain the fire retardant decabrominated diphenyl ether (decaBDE)
- NFPA 90A and 90B

700 Series R-Values at 75°F Mean

PRODUCT	NOMINAL R-VALUE AT THICKNESS		
	1 IN.	1.5 IN.	2 IN.
706	4.3	6.5	8.7
707	4.3	6.5	8.7

Sound Absorption Coefficients

ASTM C423; Mounting: Type A – Material placed against a solid backing.

PRODUCT TYPE	THICKNESS IN. (MM)	1/3 OCTAVE BAND CENTER FREQUENCIES, Hz							
		125	250	500	1000	2000	4000	NRC	
706 Unfaced	1	0.01	0.22	0.67	0.97	1.05	1.06	0.75	
	2	0.19	0.78	1.06	1.13	1.06	1.12	1.05	
707 Unfaced	1	0.04	0.26	0.70	1.01	1.07	1.06	0.75	
	2	0.16	0.82	1.15	1.11	1.03	1.07	1.05	

Availability

Types 706SS and 707SS ("SS" – Smooth Surface)

Insulations are available in the following sizes:

- Width Dimensions: 45"–49" (1,143.0 mm–1,244.6 mm)
- Length Dimensions: 48"–121" (1,219.2 mm–3,073.4 mm)
- Thickness:
 - 706SS: 1"–2½" (25.4 mm–63.5 mm)
 - 707SS: 1"–3" (25.4 mm–76.2 mm)

Types 706 and 707 plain non-smooth surface insulations can be provided in same widths and thicknesses as above with length dimensions of 24"–121" (609.6 mm–3,073.4 mm).

Minimum order requirements and lead-times contingent upon size. Contact your local area sales manager for details.

Certifications and Sustainable Features

- Certified by SCS Global Services to contain an average of 53% recycled glass content, 31% pre-consumer, and 22% post-consumer
- Environmental Product Declaration (EPD) has been certified by UL Environment
- Health Product Declaration® (HPD)



Environmental and Sustainability

Owens Corning is a worldwide leader in building material systems, insulation, and composite solutions, delivering a broad range of high-quality products and services. Owens Corning is committed to driving sustainability by delivering solutions, transforming markets, and enhancing lives. More information can be found at www.owenscorning.com.

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SCS Global Services provides independent verification of recycled content in building materials and verifies recycled content claims made by manufacturers. For more information, visit www.SCSglobalservices.com.

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