



Fiberglas™ 700 Series Board

Type 706 and 707

Fiberglass Insulation



Description

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

- Resists damage and maintains structural integrity and efficiency
- Mold Resistant per ASTM C1338
- Efficiently reduces sound transmission
- 706 and 707 are lightweight, resilient, easy to handle and fabricate

Physical Properties

Property	Test Method	Value
Nominal Density	ASTM C303	Type 706: 6.0 pcf (96 kg/m ³) Type 707: 7.0 pcf (112 kg/m ³)
Temperature Limitation 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.
Surface Burning Characteristics ²	UL 723 ASTM E84 or CAN/ULC S102	Flame Spread Index 10 Smoke Developed Index 10

1. Maximum thickness at 450°F (232°C) - 706 and 707: 4" (102mm).
2. The surface burning characteristics of these products have been determined in accordance with UL 723, ASTM E84 or 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
- Doesn't contain the fire retardant decabrominated diphenyl ether (decaBDE)
- NFPA 90A and 90B

700 Series R-Values at 75°F Mean

Product	Nominal k-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)	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

Type 706SS and 707SS ("SS" - Smooth Surface)

Insulations are available in¹:

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

Note: Type 706 and 707 plain non-smooth surface insulation¹ can be provided in same widths and thicknesses as above with length dimensions of 24" - 121" (609.6mm - 3,073.4mm).

1. Minimum order requirements and lead-times contingent upon size. Contact your local Area Sales Manager for details.

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.

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
- Material Health Certificate from Cradle to Cradle Products Innovation Institute
- Health Product Declaration® (HPD)



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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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