



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/m³) Type 707: 7.0 pcf (112 kg/m³)
Operating Temperature Range¹	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 Characteristics²	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		1/3 OCTAVE BAND CENTER FREQUENCIES, Hz						
	IN.	(MM)	125	250	500	1000	2000	4000	NRC
706 Unfaced	1	25	0.01	0.22	0.67	0.97	1.05	1.06	0.75
	2	50	0.19	0.78	1.06	1.13	1.06	1.12	1.05
707 Unfaced	1	25	0.04	0.26	0.70	1.01	1.07	1.06	0.75
	2	50	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.

Disclaimer of Liability

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, Owens Corning makes no representation about, and is not responsible or liable for, the accuracy or reliability of data associated with particular uses of any product described herein.

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.

LEED® is a registered trademark of the U.S. Green Building Council.

OWENS CORNING INSULATING SYSTEMS, LLC
ONE OWENS CORNING PARKWAY
TOLEDO, OH 43659 USA
1-800-GET-PINK®
www.owenscorning.com