



Type 706 and Type 707 Series Fiberglas™ Insulation Boards



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 comes 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

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

Insulations are available in:

- 24"x48" (610mm x 1,219mm)
- Maximum thickness for both Type 706 and Type 707 is 2" (51 mm)

Certifications and Sustainable Features

- Certified by SCS Global Services to contain a minimum 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

Disclaimer of Liability

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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.

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

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

- Maximum thickness at 450°F (232°C) - 706 and 707: 4" (102mm).
- The surface burning characteristics of these products have been determined in accordance with UL 723, ASTM E84 or CAN/ULC-S102. These standards should be used to measure and describe the properties of materials, products or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment which takes into account all of the factors which are pertinent to an assessment of the fire hazard of a particular end use. Values are reported to the nearest 5 rating.

Sound Absorption Coefficients

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

Product Type	Thickness		Octave Band Center Frequencies, Hz						
	in.	(mm)	125	250	500	1000	2000	4000	NRC
706	1	25	0.01	0.22	0.67	0.97	1.05	1.06	0.75
Unfaced	2	50	0.19	0.78	1.06	1.13	1.06	1.12	1.05
707	1	25	0.04	0.26	0.70	1.01	1.07	1.06	0.75
Unfaced	2	50	0.16	0.82	1.15	1.11	1.03	1.07	1.05

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

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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