



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 Steel | ASTM C1617 | Meets Requirements |
| 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 SCS Global Services.
- 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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