

# CertainTeed

## Specification Sheet

### OEM Acoustical Board Insulation

#### 1. PRODUCT NAME

CertainTeed OEM Acoustical Board Insulation

#### 2. MANUFACTURER

CertainTeed Corporation  
P.O. Box 860  
Valley Forge, PA 19482-0105  
Phone: (610) 341-7000  
(800) 233-8990  
Fax: (610) 341-7571  
Fax-On-Demand: (800) 947-0057  
Website: www.certainteed.com

#### 3. PRODUCT DESCRIPTION

**Basic Use:** OEM Acoustical Board Insulation is used by fabricators who process it into finished acoustical insulation products. OEM Acoustical Board is typically used for office furniture, acoustical panels, baffles, architectural panels, and ceiling panels.

**Benefits:** OEM Acoustical Board Insulation provides excellent thermal and acoustical properties and retains its physical characteristics. The product is easy to fabricate or cut to size. Lighter densities can be used in applications requiring conformance to curved surfaces. Higher density boards can be sanded and machined.

**Composition and Materials:** The product is composed of glass fibers bonded together with a thermosetting binder. OEM Acoustical Board Insulation is available from 3 to 6 lbs./cu.ft. Acoustical Board is produced with a smooth surface on one side.

**Limitations:** Insulation should be kept clean and dry at all times.

**Sizes:** See the table below for available sizes. Contact CertainTeed for availability and minimum order quantities.

#### 4. TECHNICAL DATA

##### Applicable Standards

- Material Standards:
  - OEM 300, (ASTM C612), Type IA, Type IB
  - OEM 600, (ASTM C612), Type IA, Type IB

##### Fire Resistance:

- Fire Hazard Classification: (ASTM E84, UL 723, NFPA 255)
  - Max. Flame Spread Index; 25
  - Max Smoke Developed Index; 50

##### Physical/Chemical Properties:

- Thermal Performance:
  - See table on back page.
- Acoustical Performance:
  - See table on back page.
- Service Temperature: (ASTM C411)
  - Max. 450°F (232°C)
- Corrosiveness: (ASTM C665)
  - Pass
- Fungi Resistance: (ASTM C1338)
  - Pass
- Water Vapor Sorption: (ASTM C1104)
  - ≤ 5% by weight

**Quality Assurance:** CertainTeed's manufacturing plants, R&D center and corporate headquarters are registered to ISO 9001-2000 standards.



#### 5. AVAILABILITY AND COST

Manufactured and sold throughout the United States and Canada. For availability and cost, contact your local distributor or call CertainTeed in Valley Forge, PA at (800) 233-8990.

#### 6. WARRANTY

Inasmuch as CertainTeed has no control over the installation design, installation workmanship, accessory materials, or conditions of application, CertainTeed does not warrant the performance or results of any installation containing its products.

#### 9. TECHNICAL SERVICES

Technical assistance can be obtained either from the local CertainTeed sales representative, or by calling Technical Services in Valley Forge, PA, (800) 233-8990.

#### 10. FILING SYSTEMS

- Additional product information available upon request.

Visit us on our website at [www.certainteed.com](http://www.certainteed.com) for the most up-to-date product information.

AVAILABLE SIZES							
Product Type	Densities (lbs./cu.ft.)	Thickness		Width		Length	
		in.	mm	in.	mm	in.	mm.
OEM 300	3.0	3/4 - 4	15.9 - 101.6	12 - 49	304.8 - 1244.6	24 - 122	609.6 - 3098.8
OEM 600	6.0	3/4 - 2	19.5 - 304.8	12 - 49	304.8 - 1244.6	24 - 122	609.6 - 3098.8

TOLERANCES			
Density	Thickness	Width	Length
3 to 6	± 1/16	± 1/8	± 3/8

THERMAL PERFORMANCE					
Board Type	Density	K- Value			
		75	100	200	300
OEM 300	3.0	.23	.23	.28	.36
OEM 600	6.0	.22	.23	.27	.33

ACOUSTICAL PERFORMANCE									
Type	Thickness*		Absorption Coefficients @ Octave band Frequency (Hz)						NRC**
	in	mm	125	250	500	1000	2000	4000	
OEM 300	1	25.4	0.07	0.28	0.71	0.90	0.93	0.93	0.70
	1 1/2	38.1	0.11	0.42	0.93	0.98	0.96	0.97	0.80
	2	50.8	0.17	0.76	1.05	1.02	0.95	0.96	0.95
	3	76.2	0.41	0.96	1.13	1.03	1.03	1.02	1.05
OEM 600	1	25.4	0.12	0.52	0.68	0.87	0.93	0.99	0.75
	1 1/2	38.1	0.17	0.50	0.98	1.03	0.96	0.97	0.90
	2	50	0.24	0.72	1.08	1.03	0.96	0.97	1.00

Sound absorption tested in accordance with ASTM C423 using Type A mounting per ASTM E795.  
 \* Data for other thicknesses may be available.  
 \*\* Noise reduction coefficient



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