

# OEM Acoustical Board Insulation

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.

## Features & 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 & 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 on the next page for available sizes. Contact CertainTeed for availability and minimum order quantities

## Quality Assurance

CertainTeed's manufacturing plants, R&D center and corporate headquarters are registered to ISO 9001 standards.

## APPLICABLE STANDARDS, CODE COMPLIANCE

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

PROPERTY (UNIT)	TEST	VALUE
Service Temperature:	ASTM C411	Max. 450°F (232°C)
Corrosiveness:	ASTM C665	Pass
Fungi Resistance:	ASTM C138	Pass
Water Vapor Sorption:	ASTM C1104	≤5% by weight



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SAINT-GOBAIN

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## Available Sizes

Available standard sizes are listed in the table. Contact CertainTeed for availability and minimum order quantities.

TYPE	DENSITY (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

THERMAL PERFORMANCE						TOLERANCES			
BOARD TYPE	DENSITY	K-VALUE		BTU·IN H·FT.2·°F		DENSITY	THICKNESS	WIDTH	LENGTH
		75	100	200	300				
OEM 300	3.0	.23	.23	.28	.36	3 to 6	± 1/16	± 1/8	± 3/8
OEM 600	6.0	.23	.23	.27	.33				

ACOUSTICAL PERFORMANCE									
TYPE	THICKNESS*		ABSORPTION COEFFICIENTS @ OCTAVE BAND CENTER FREQUENCIES (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
	4	101.2	0.75	1.18	1.09	1.00	1.00	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

## TECHNICAL SERVICES

Technical assistance can be obtained either from your local CertainTeed sales representative, or by calling CertainTeed Sales Support Group at 800-233-8990.

## FILING SYSTEMS

Additional product information available upon request.

## AVAILABILITY & COST

For availability and cost, contact your local contractor or distributor, or call CertainTeed Sales Support Group at 800-233-8990.

## WARRANTY

Refer to CertainTeed's Limited Warranty. Full warranty information can be found at [certainteed.com/warranty](http://certainteed.com/warranty).



**CertainTeed**

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