



Product Information

Interior Insulation

Fiberglas® Unfaced Sound Attenuation Blanket

Description

Fiberglas® Unfaced Sound Attenuation Blanket insulation is a highly-efficient, lightweight, strong, resilient and easy-to-handle flexible blanket insulation composed of fine, stable and uniformly textured inorganic glass fibers bonded together by a non-water soluble and fire-retardant thermosetting resin.

Features/Benefits

- Durable, Easy-to-Install and Fabricate
- Dimensional Stability Assures In-place Performance
- Reduces Noise in Rooms

Facing

Owens-Corning Blanket Insulation is available in rolls unfaced, or laminated with a factory-applied Foil-Scrim-Kraft (FSK) vapor barrier to prevent condensation.

Application

Fiberglas Blanket Insulation is intended for use in commercial, institutional, industrial, agricultural and residential construction as thermal and acoustical insulation for interiors, exterior and cavity wall applications, partitions, poultry farms, ceilings or as back-loading of existing ceiling systems.

Physical Property Data

Property	Test Method	Specification
Operating Temperature Range	ASTM C411	-4°C to +121°C
Corrosiveness	ASTM C665	Chemically Inert
Mold Growth	ASTM C665	No Growth
Moisture Absorption	ASTM C1104	<3% by weight at 49°C; 90% R.H.
Vapor Permeance	ASTM E96	0.02 Perm Maximum
Puncture Resistance	ASTM D781	35 Beach Units Minimum
Flammability Characteristics	B.S. 476	Part 4 – Non-Combustible Part 5 – Ignitability Part 6 – Fire Propagation Part 7 – Surface Spread of Flame
Class “O” Fire Rating to the Building Regulations Section E15		
Combustibility Characteristics	China National Standard	GB 5464-85: PASSED Non-Combustible

Thermal Conductance, “C” – Value (ASTM C177, ASTM C518)

R-Values (m²•K/W)

Thickness	Density (kg/m ³)			
	10	12	14	16
50mm	1.1	1.2	1.3	1.3
75mm	1.6	1.7	1.9	1.9
100mm	2.2	2.3	2.5	2.6

R-Value = Thickness (mm)/Thermal Conductivity W/m•K

$C = 1/r = Wm^2 \cdot ^\circ C$

It is the ability of the product to conduct heat.

Standard Nominal Dimensions

Density kg/m ³	Thermal Conductivity, k W/m ² •K
12	0.043
14	0.040
16	0.039

