



Product Information

Metal Building Insulation

Fiberglas® Metal Building Insulation

Description

Fiberglas® Metal Building Insulation is a highly efficient, 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-resistant thermosetting resin.

Features/Benefits

- Assured Thermal Performance
- Acoustical Performance
- Condensation Control

Facing

Fiberglas Metal Building Insulation is available in rolls laminated with factory-applied vinyl, Foil-Scrim-Kraft (FSK) or other specific-vapor barriers.

Application

Fiberglas Metal Building Insulation is intended for use in commercial, institutional, industrial, and agricultural construction as thermal and acoustical insulation for interior, exterior and cavity wall applications, partitions, poultry farms and ceilings.

Physical Property Data

Property	Test Method	Specification
Operating Temperature Limit	ASTM C411	Max. Temp. 121°C
Corrosiveness	ASTM C 665	Chemically Inert
Mold Growth	ASTM C 665	No Growth
Moisture Absorption	ASTM C1104	<3% by Weight @ 49°C; 90% R.H.
Vapor Permeance	ASTM E96	0.02 Perm Maximum
Puncture Resistance	ASTM D 781	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

R-Values, (m²•K/w)

Insulation 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
150mm	3.3	3.5	3.8	–

R-Value = Thickness/Thermal Conductivity

Standard Available Products
(Nominal Manufacturing Specifications)

Density kg/m ³	Thermal Conductivity W/m•K
10	0.046
12	0.043
14	0.040
16	0.039

Check for availability of other dimensions and densities.

