



IIG MinWool, LLC

A Calsilite/Johns Manville Joint Venture

PRODUCT

DESCRIPTION

APPLICATIONS

ADVANTAGES

Sound Attenuation Fire Batts

Sound and Fire Control Insulation



Publication No. IIG-405

MinWool Sound Attenuation Fire Batt Insulation is made of inorganic fibers derived from basalt, a volcanic rock, with a thermosetting resin binder. Advanced manufacturing technology ensures consistent product quality with high fiber density and low shot content for excellent performance. The fibers are bonded and formed into flexible batts. The product is manufactured in thicknesses from 1" to 6" (25 mm to 152 mm), and comes in standard metal frame widths. Sound Attenuation Fire Batts are not available with a facing.

Nominal Density: 2.5 pcf (40 kg/m³)

MinWool Sound Attenuation Fire Batt Insulation is designed to deliver noise control in metal stud wall cavities of interior partitions or above suspended ceiling systems.

- Excellent Thermal Performance
 - High R-Value
- Excellent Acoustical Performance
 - Improves the Sound Transmission Class (STC) ratings by up to 10 dB
- Superior Fire Safety
 - Flame Spread/Smoke Developed: 5/0
- Noncombustible
 - Per ASTM E136 and CAN4-S114-M
- Quick Installation
 - Easily cut with a knife

Safing

Sound and Fire Control Insulation



Publication No. IIG-403

MinWool Safing Insulation is made of inorganic fibers derived from basalt, a volcanic rock, with a thermosetting resin binder. Advanced manufacturing technology ensures consistent product quality, with high fiber density and low shot content, for excellent performance. Safing insulation is manufactured in a standard 4" (102 mm) thickness and is available plain or faced with an (FSP) Scrim Reinforced Foil Facing vapor retarder on one face. Custom sizes are available on special order. It is inorganic and will not mildew or support corrosion.

Density: 4 pcf (64 kg/m³)

MinWool Safing Insulation is designed to be installed between the spandrel panel and floor slab in commercial curtainwall systems to provide a fire-rated seal. It also prevents the passage of flame and smoke in openings that penetrate fire-rated assemblies.

- Excellent Thermal Performance
 - R-Value of 4.0 per inch (0.70 per 25 mm) of thickness
- Superior Fire Safety
 - Two hour and Three hour fire rated assemblies.
- Noncombustible
 - Per ASTM E136 and CAN4-S114-M
- Quick Installation
 - Convenient job site fabrication

Curtainwall

Sound and Fire Control Insulation



Publication No. IIG-404

MinWool Curtainwall Insulation is made of inorganic fibers derived from basalt, a volcanic rock, with a thermosetting resin binder. Advanced manufacturing technology ensures consistent product quality, with high fiber density and low shot content, for excellent performance. Curtainwall insulation is available plain or faced with an (FSP) Scrim Reinforced Foil Facing vapor retarder on one face.

Product Type	Density pcf	Density kg/m ³
CW4	4	64
CW6	6	96
CW8	8	128

MinWool Curtainwall Insulation is designed to provide superior fire resistance and thermal properties in glass, metal, and masonry curtainwall spandrel systems. The board can be placed between or over framing members, and held in place with mechanical fasteners.

- Excellent Thermal Performance
 - High R-Value
- Excellent Acoustical Performance
 - Efficiently reduces sound transmission
- Superior Fire Safety
 - Two hour and Three hour fire rated assemblies.
 - Melting point in excess of 2000° F (1093° C)
 - Flame Spread/Smoke Developed Unfaced: 5/0 Faced: 25/5
- Quick Installation
 - Easy to install



IIG MinWool Commercial Products are GREENGUARD Indoor Air Quality Certified for low chemical emissions

AVAILABLE SHAPES & SIZES

	in	mm
Standard Thickness*	1-3	25-76.2
Nonstandard Thickness*	3½-6	88.9-152.4
Width	16, 24	406, 610
Length	48	1219

* ½" (13 mm) increments.

Non Standard Sizes Are Available.

Minimum Order Quantities are Required.

For LEED Certification information, please see www.iig-llc.com

THERMAL PERFORMANCE

R-Value RSI Value (per ASTM C518):
3.7 (hr·ft²·°F)/Btu [0.67 m²·°C/W]



SPECIFICATION COMPLIANCE

ASTM C665 Corrosivity to Steel	Passes
ASTM C1104, Water Vapor Sorption	<1% By Weight, <.02% by Volume at 120°F (49°C), 95% RH
ASTM E84, UL 723, CAN/ULC-S102-M, Flame Spread/Smoke Developed	Unfaced 5/0
ASTM E136 Noncombustible, CAN4-S114-M	Passes
City of New York	MEA-346-90
ICBO (Uniform Building Code)	All Building Classification Types
BOCA (National Building Code)	All Building Classification Types
SBCCI (Standard Building Code)	All Building Classification Types
ICC (International Building Code)	All Building Classification Types

*Sound Barrier Assemblies can be found publication IIG-408.

	in	mm
Thickness*		
– Unfaced	1-6	25-152
– Faced	2-4	51-102
Width	24	610
Length	48	1219

*½" (13 mm) increments.

Non Standard Sizes Are Available.

Minimum Order Quantities are Required.

For LEED Certification information, please see www.iig-llc.com

R-Value RSI Value (per ASTM C518):
4.0 (hr·ft²·°F)/Btu [0.70 m²·°C/W]



ASTM C612 Material Specification (HH-I-558B)	Types 1-4
ASTM C1104, Water Vapor Sorption	<1% By Weight, <.02% by Volume at 120°F (49°C), 95% RH
ASTM E84, UL 723, CAN/ULC-S102-M, Flame Spread/Smoke Developed	Unfaced 5/0; Faced 25/5
ASTM E96, FSP Facing Permeability	0.02 Perms, Maximum
ASTM E136 Noncombustible, CAN4-S114-M	Passes
City of New York	MEA-346-90
ICBO (Uniform Building Code)	All Building Classification Types
BOCA (National Building Code)	All Building Classification Types
SBCCI (Standard Building Code)	All Building Classification Types
ICC (International Building Code)	All Building Classification Types

Product	Thickness*				R Value RSI Value (per ASTM C518)		
	Unfaced		Faced				
Type	in	mm	in	mm	Product Type	(hr·ft²·°F)/Btu	m²·°C/W
CW4	1-6	25-152	3-6	>76	CW4	4.0	0.70
CW6	1½-6	38-152	2-6	51-152	CW6	4.1	0.72
CW8	1-4½	25-152	1½-4½	38-152	CW8	4.2	0.74
Width	in		mm				
	24		610				
Length	in		mm				
	48		1219				

* ½" (13 mm) increments.

Non Standard Sizes Are Available.

Minimum Order Quantities are Required.

For LEED Certification information, please see www.iig-llc.com



ASTM C423 (2" [51 mm], Type "A" Mounting), Noise Reduction Coefficient	1.05
ASTM C612 Material Specification (HH-I-558B)	Types 1 - 4
ASTM C1104 Water Vapor Sorption,	<1% By Weight, <.02% by Volume at 120°F (49°C), 95% RH
ASTM E84, UL 723, CAN/ULC-S102-M, ASTM E119, Flame Spread/Smoke Developed	Unfaced 5/0; Faced 25/5
ASTM E96, FSP Facing Permeability	0.02 Perms, Maximum
ASTM E136 Noncombustible, CAN4-S114-M	Passes
City of New York	MEA-346-90
ICBO (Uniform Building Code)	All Building Classification Types
BOCA (National Building Code)	All Building Classification Types
SBCCI (Standard Building Code)	All Building Classification Types
ICC (International Building Code)	All Building Classification Types