MinWool® Window Wall Insulation

SOUND AND FIRE INSULATION

COMPANY

Johns Manville, a Berkshire Hathaway company, was founded in 1858. Our ownership by Berkshire Hathaway, one of the most admired companies in the world and one of the most financially secure, allows JM to invest for the future. This enables JM to continue delivering the broadest range of insulation products in the industry and offering innovative solutions that meet your needs.

DESCRIPTION

MinWool® Window Wall Insulation is made of inorganic fibers derived from basalt, a volcanic rock. Advanced manufacturing technology ensures consistent product quality, with high-fiber density and low shot content for excellent performance. MinWool Window Wall Insulation is inorganic, noncombustible, moisture resistant, non-deteriorating, and will not mildew or support corrosion.

USE

MinWool Window Wall Insulation is designed to provide superior fire resistance and thermal properties, primarily in glass and metal window wall systems. MinWool Window Wall is particularly useful for backpan applications and for addressing exposed floor slab areas in commercial window wall construction.

INSTALLATION

MinWool Window Wall is easy to install. It is easily cut with a utility knife for convenient jobsite fabrication. A wide range of thicknesses facilitates optimum material usage.

PACKAGING

MinWool Window Wall is packaged in poly shrink wrap.

DESIGN CONSIDERATIONS

MinWool Window Wall may also be used in fire-rated wall assemblies as required by the building code. A fire suppression system may also be needed in conjunction with good construction practices to provide adequate fire protection for the building. The need for and the placement of a vapor retarder in commercial construction depends on many factors. The architect or specifier should evaluate the requirements for each project. Two-hour and three-hour fire-rated assemblies are listed in the UL Fire Resistance Directory.

LIMITATIONS OF USE

Check applicable building codes.

PERFORMANCE ADVANTAGES

Excellent Acoustical Performance: Lightweight, flexible insulation batts are excellent sound absorbers, efficiently reducing sound transmission.

Fire Safety: MinWool Window Wall has a melting point in excess of 2000°F (1093°C). See Applicable Standards for details.

Noncombustible: See Applicable Standards for details.

Durable & Inorganic: MinWool Window Wall does not support growth of fungi, nor does it sustain vermin.

ENERGY AND ENVIRONMENT

GREENGUARD*

**GREENGUARD certification is not intended for residential environments. Instead, the certification is intended only for buildings meeting ASHRAE 62.1-2007 commercial building ventilation rates. This certification is proof that the product meets the GREENGUARD Environmental Institute's indoor air quality standards and product emission standards for VOCs.*

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APPLICABLE STANDARDS & BUILDING APPLICATION*

MINWOOL WINDOW WALL
ASTM C612 Classification Type I -IVa
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 C1338 Fungi Resistant, Passes
ASTM E84 Flame Spread/Smoke Developed, Unfaced 0/0
ASTM C411 Hot Surface Performance – 1200°F
ASTM E136 Noncombustible, Passes
Stress Corrosion Testing: ASTM C692, ASTM C871, and ASTM C795 – Pass
ASTM C1617 Thermal Insulation Corrosion of Metals – Pass
UL 723, CAN/ULC-S102, Unfaced 0/0
CAN4-S114-M, Passes
City of New York, MEA-346-90
ICC (International Building Code), All Building Classification Types

**DISCLAIMER:* *JM products are designed, manufactured and tested to strict quality standards in our own facilities. This, along with third-party auditing, is your assurance that this product delivers consistent high quality.*

STANDARD SIZES

PRODUCT	DENSITY ASTM C612					THICKNESS*
	ACTUAL	R-VALUE/inch	RSI-VALUE/25mm	WIDTH	LENGTH	UNFACED
	pcf (kg/m^3)	(hr•ft^2•°F/Btu)	(°K•m^2/W)	in (mm)	in (mm)	in (mm)
MINWOOL WINDOW WALL	3.5 (48)	4.2	0.73	24 (610)	48 (1219)	1.5–4 (38–102)

**Thickness range available in ½" (13mm) increments. Custom lengths, widths and thicknesses are also available. R-value is determined in accordance with C518.*

Johns Manville

Visit our website at **www.JM.com** or call **800-654-3103** | **Building Insulation Division** P.O. Box 5108 | Denver, CO 80217-5108

Technical specifications as shown in this literature are intended to be used as general guidelines only. Please refer to the Safety Data Sheet and product label prior to using this product. The physical and chemical properties of mineral wool insulation listed herein represent typical, average values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Any references to numerical flame spread or smoke developed ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions. Check with the sales office nearest you for current information. **All Johns Manville products are sold subject to Johns Manville's standard Terms and Conditions, which includes a Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville standard Terms and Conditions or for information on other Johns Manville insulation and systems, visit www.jm.com/terms-conditions or call 800-654-3103.**

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