



At Johns Manville, we are more than your supplier; we are your channel partner. When you do business with us, you can count on it being a partnership for the long haul, with support that enables you to run your business your way. With access to one of the industry's broadest portfolios of insulation solutions, you can meet virtually every demand and get the most from your inventory.

A BERKSHIRE HATHAWAY COMPANY

Johns Manville is proud to be part of Berkshire Hathaway, one of the most respected, financially sound companies in the world. We operate with unquestionable integrity and stability and have unmatched resources to invest in developing future insulation solutions designed to exceed our customers' needs.

MORE THAN 160 YEARS OF EXPERIENCE AT WORK

When Johns Manville was founded in 1858, we focused on developing materials to make diverse environments stronger, durable, more energy efficient and comfortable. We also believed in building relationships by providing outstanding service and support. The world has changed, but our principles still hold true today.


COMPREHENSIVE INSULATION EXPERTISE AND SUPPORT

JM TechConnectSM is the single source for JM customers to access comprehensive insulation knowledge, installation advice and specification support from our dedicated technical experts—in person, by phone or online. We can help you quickly solve even the most complex insulation challenges. Connect with us at **800 654 3103**.

SPECIFICATION COMPLIANCE**

	Cladstone™ Water & Fire Block 45 60	Cladstone™ Water & Fire Block 80 110	MinWool® Sound Attenuation Fire Batts (SAFB)	Sound & Fire Block®	Temp-Control®	MinWool® Safing	MinWool® Curtainwall	MinWool® Window Wall
ASTM 814 Through-Penetration Fire Stops	N/A	N/A	N/A	N/A	N/A	Used to Rate Approved Assemblies	N/A	N/A
ASTM C665 Corrosiveness	N/A	N/A	Type 1	Type 1	Type 1	N/A	N/A	N/A
ASTM C1104 Water Vapor Sorption	Unfaced, 50 perms as tested	Unfaced, 50 perms as tested	N/A	N/A	N/A	0.02 perms, maximum	0.02 perms, maximum	0.02 perms, maximum
ASTM C1304 Odor Emission	Absorbs 0.03% by volume	Absorbs 0.11% by volume	<1% by weight; <0.02% by volume at 120°F (49°C), 95% RH	5% or less by weight	5% or less by weight	<1% by weight; <0.02% by volume at 120°F (49°C), 95% RH	<1% by weight; <0.02% by volume at 120°F (49°C), 95% RH	<1% by weight; <0.02% by volume at 120°F (49°C), 95% RH
ASTM C1338 Fungi Resistance	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
ASTM E84 Flame Spread/Smoke Developed	0/0	0/0	0/0	0/0	0/0	Unfaced: 0/0 Faced: ≤ 25/5	Unfaced: 0/0 Faced: ≤ 25/5	0/0
ASTM E96 Water Vapor Permeability	N/A	N/A	>0.12 W/cm² (0.11 Btu/ft²)	>0.12 W/cm² (0.11 Btu/ft²)	>0.12 W/cm² (0.11 Btu/ft²)	N/A	N/A	N/A
ASTM E136 Non-combustible	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Emiss NFPA 285 Commercial Fire Resistance	ACM Panel Assembly Passed	ACM Panel Assembly Passed	N/A	N/A	N/A	N/A	N/A	N/A
UL 1479 Through-Penetration Firestop Systems	N/A	N/A	N/A	N/A	N/A	Used to Rate Approved Assemblies	N/A	N/A

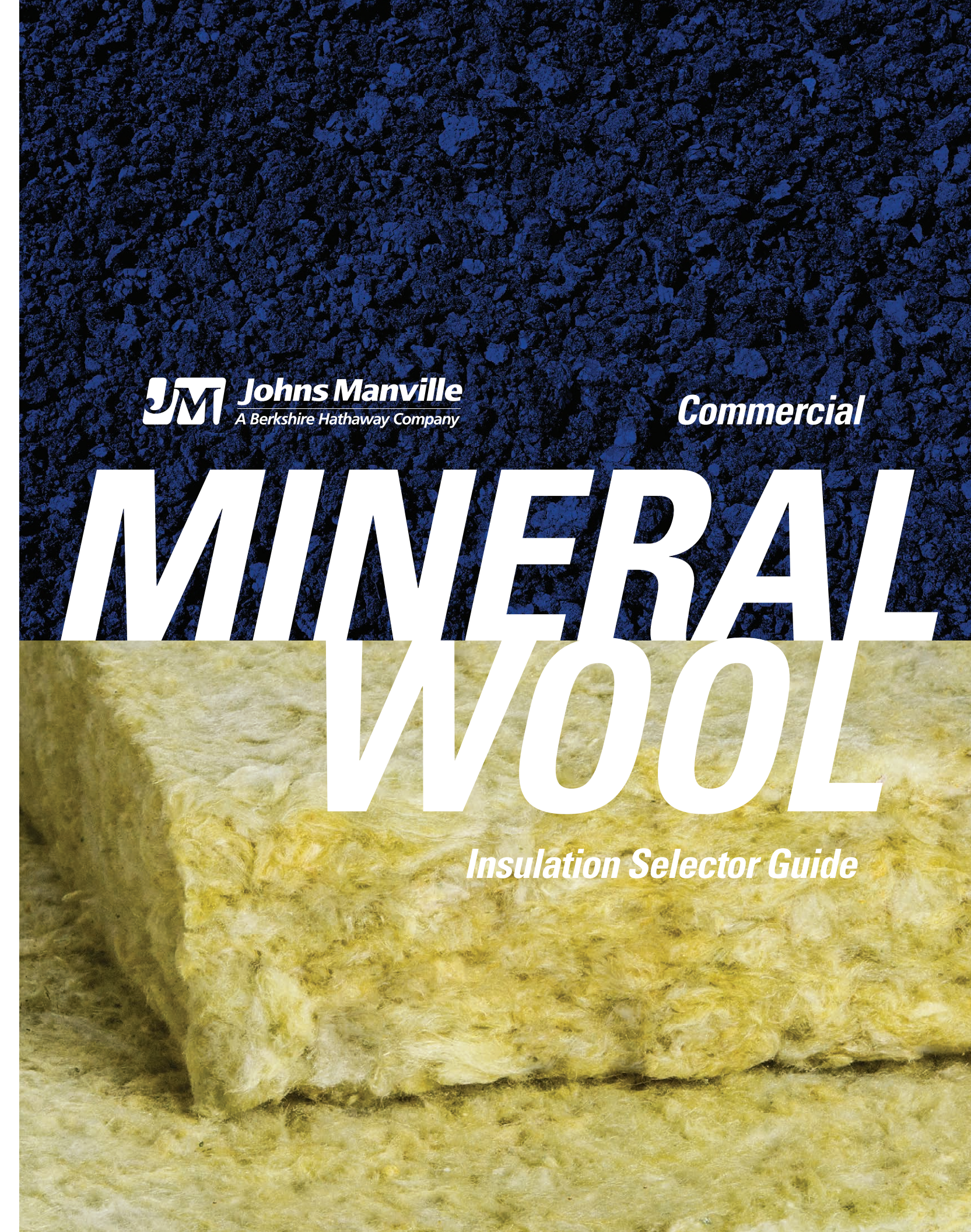
COMPETITIVE PRODUCT COMPARISON

	EXTERIOR				INTERIOR			
	Continuous Insulation		Curtainwall	Window Wall	Fire Stop	Thermal	Acoustic/Fire Commercial	Residential
 Johns Manville A Berkshire Hathaway Company	JM CladStone™ 45 60	JM CladStone™ 80 110	MinWool® Curtainwall 40 80	MinWool® Window Wall Safing	MinWool® Safing	TempControl®	MinWool® Safing	Sound & Fire Block®
ROCKWOOL™	CavityRock®	ComfortBoard™ 80 110	CurtainRock® 40 80	CurtainRock®	Safe	ComfortBatt®	AFB	Safe 'n' Sound®
Thermafiber®	RainBarrier® 45 HD	RainBarrier® ic HC and ic HC Plus	FireSpan® 40 90	N/A	Safing	UltraBatt™	SAFB	Fire & Sound Guard®



**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.

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.



MINERAL WOOL

Insulation Selector Guide

OUR COMPLETE LINE OF MINERAL WOOL

INSULATION PRODUCTS IS MADE FROM HIGH DENSITY, NONCOMBUSTIBLE INORGANIC FIBERS DERIVED FROM BASALT, A VOLCANIC ROCK, WITH A THERMOSETTING RESIN BINDER. THEY PROVIDE EXCEPTIONAL THERMAL AND ACOUSTICAL PERFORMANCE AND HELP TO DELAY THE SPREAD OF FIRE.



JM CladStone™ Water & Fire Block® BOARDS

Thermal and moisture control for outside of the building envelope in rainscreen applications. Can be installed with a variety of exterior cladding systems, including strapping, brick ties, grits and purlins and other mechanical attachment systems.

KEY ADVANTAGES

Water-Repellent: Repels water to ensure drainage when applied as part of a proper exterior wall cavity system.
Fire-Resistant: Melting point in excess of 2000°F (1093°C). Flame Spread of 0 and Smoke Developed of 0.
Durable Inorganic Fibers: No growth of fungi. No sustaining of vermin.
Densities: CladStone™ 45 (4.5 pcf), CladStone™ 60 (6.0 pcf), CladStone™ 80 (8.0 pcf), and CladStone™ 110 (11.0 pcf)

AVAILABILITY*

R-Value: R-4.2 and R-4.3
Sizes: 16" x 48" and 24" x 48"
Actual Densities: 4.5 pcf, 6.0 pcf, 8.0 pcf, and 11.0 pcf
Thicknesses: 1"–7"



MinWool® Sound Attenuation Fire Batts (SAFB) BATTS

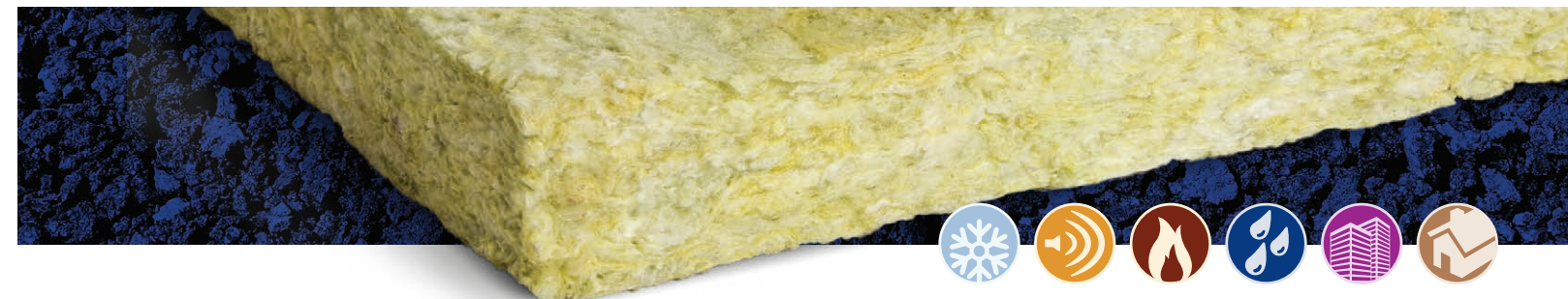
Reduces sound transmission in steel-stud wall cavities of interior partitions and exterior walls or above suspended ceiling systems.

KEY ADVANTAGES

Sound Control: Can improve the Sound Transmission Class (STC) rating by up to 10 dB.
Fire-Resistant: Melting point in excess of 2000°F (1093°C).
Durable Inorganic Fibers: No growth of fungi. No sustaining of vermin.
Compression Packaging: Get more product per bag, saving on storage and freight costs.

AVAILABILITY*

R-Value: R-3.7/inch (per ASTM C518)
Sizes: 16" x 48" and 24" x 48"
Nominal Density: 2.5 pcf
Thicknesses: 1.5"–8"



TempControl® BATTS

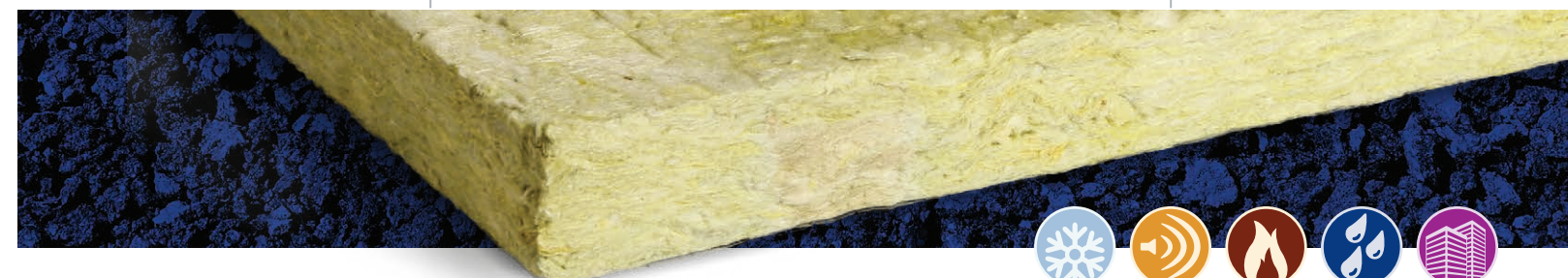
Designed to help delay the spread of fire and offer thermal control for wood and metal-stud cavities of exterior walls, basements and heated crawlspaces.

KEY ADVANTAGES

Thermally Efficient: Effective resistance to heat transfer with R-values up to R-30.
Fire-Resistant: Melting point in excess of 2000°F (1093°C). Flame Spread of 0 and Smoke Developed of 0.
Durable Inorganic Fibers: No growth of fungi. No sustaining of vermin.

AVAILABILITY*

R-Values: R-15, R-23 and R-30
Sizes: Wood Stud (15.25" x 47", 23" x 47") or Steel Stud (16" x 48", 24" x 48")
Thicknesses: 3.5", 5.5" and 7.25"



MinWool® Curtainwall BOARDS

Superior fire resistance and thermal properties in glass, metal and masonry curtainwall spandrel systems.

KEY ADVANTAGES

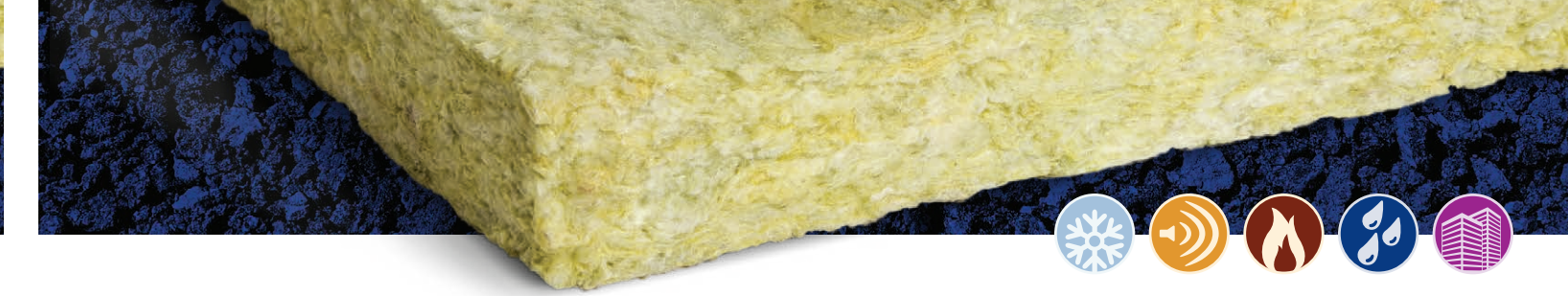
Fire-Resistant: Melting point in excess of 2000°F (1093°C).

- Unfaced: Flame Spread of 0 and Smoke Developed of 0.
- Faced: Flame Spread of 25 or less and Smoke Developed of 5 or less.

Sound Control: Excellent sound absorption to reduce sound transmission.
Durable Inorganic Fibers: No growth of fungi. No sustaining of vermin.
Quick Installation: Easy to install.
Densities: Curtainwall 40 (4.0 pcf) and Curtainwall 80 (8.0 pcf)

AVAILABILITY*

R-Values: R-4–R-4.2
Size: 24" x 48"
Nominal Density: 4 pcf and 8 pcf
Thicknesses: 1.5"–4"
Facing: Unfaced or foil-faced



Sound & Fire Block® BOARDS

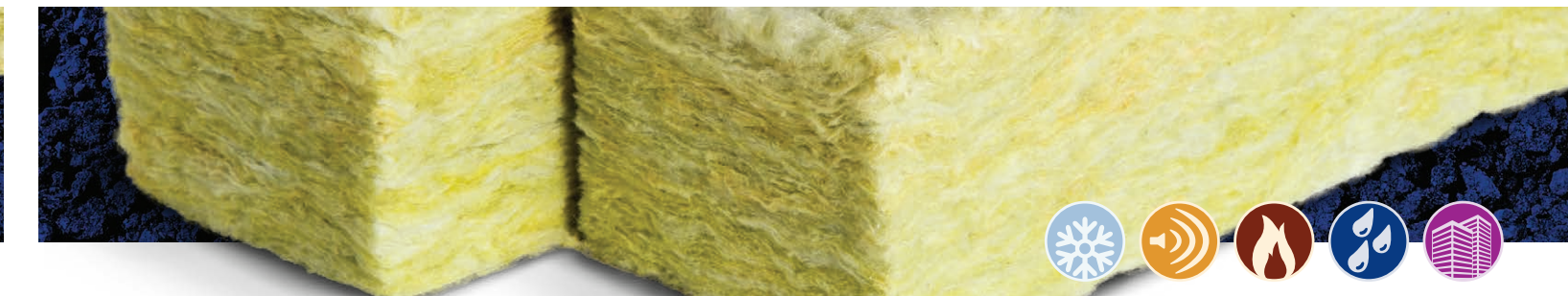
Reduces unwanted noise and delays fire from spreading between floors and rooms

KEY ADVANTAGES

Sound Control: Absorbs sound and improves wall assembly STC ratings by up to 10 dB.
Fire-Resistant: Melting point in excess of 2000°F (1093°C). Flame Spread of 0 and Smoke Developed of 0.
Durable Inorganic Fibers: No growth of fungi. No sustaining of vermin.

AVAILABILITY*

R-Value: R-3.7 per inch
Size: 15.25" x 47"
Nominal Density: 2.5 pcf
Thickness: 3"



MinWool® Safing BATTS

Provides a fire-rated seal between the spandrel panel and floor slab in commercial curtainwall systems.

KEY ADVANTAGES

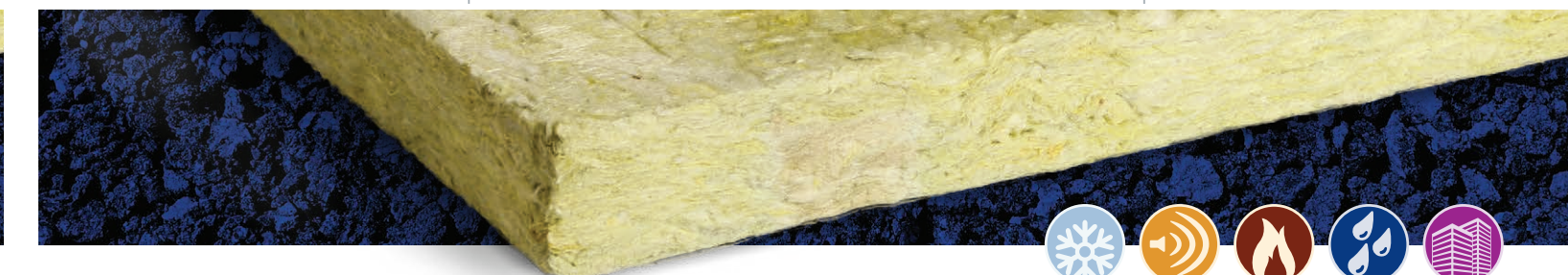
Fire-Resistant: Melting point in excess of 2000°F (1093°C).

- Unfaced: Flame Spread of 0 and Smoke Developed of 0.
- Faced: Flame Spread of 25 or less and Smoke Developed of 5 or less.

Durable Inorganic Fibers: No growth of fungi. No sustaining of vermin.

AVAILABILITY*

Size: 24" x 48"
Nominal Density: 4 pcf (64kg/m³)
Thickness: 4"
Facing: Unfaced or foil-faced



MinWool® Window Wall BOARDS

Provides superior fire resistance in glass and metal window wall systems.

KEY ADVANTAGES

Fire-Resistant: Melting point in excess of 2000°F (1093°C).

- Unfaced: Flame Spread of 0 and Smoke Developed of 0.
- Faced: Flame Spread of 25 or less and Smoke Developed of 5 or less.

Sound Control: Excellent sound absorption to reduce sound transmission.
Durable Inorganic Fibers: No growth of fungi. No sustaining of vermin.

AVAILABILITY*

R-Value: R-4.2
Size: 24" x 48"
Actual density: 3.5 pcf
Thicknesses: 1.5"–4"
Facing: Unfaced or foil-faced

*Special sizes and thicknesses available upon request. Minimum order quantities may apply.