



Johns Manville

A Berkshire Hathaway Company

Unfaced Formaldehyde-free™ Fiber Glass Insulation Data Sheet

FORMALDEHYDE-FREE

Johns Manville has revolutionized the building industry by introducing an entire line of formaldehyde-free fiber glass building insulation. JM Formaldehyde-free insulation provides the same high-quality thermal and acoustical properties as conventional fiber glass – just without the formaldehyde-based binder. Why? Because it's a smart thing to do for our customers and the environment. Formaldehyde has traditionally been used as part of the binder in fiber glass insulation. Although there is no health risk with the traditional product, formaldehyde at higher levels may cause irritation and sensitivity. JM Formaldehyde-free building insulation utilizes an innovative new acrylic binder that eliminates binder-related formaldehyde emissions during manufacturing and, once installed, will not off-gas formaldehyde in the indoor environment. No formaldehyde means fewer things to worry about. Visit us at www.jm.com for more information.

PRODUCT DESCRIPTION

Johns Manville unfaced insulation is a lightweight thermal and acoustical fiber glass insulation made of long, resilient glass fibers bonded with an acrylic thermosetting binder.

INSTALLATION

Available in many sizes and R-values, unfaced insulation can be quickly installed for a variety of applications. JM unfaced insulation cuts easily with an ordinary utility knife and installs by simply pressing in place between studs or joists. Wire rods or wire may be needed to hold insulation in place in horizontal applications. Unfaced insulation must be protected from the outside elements like wind, rain and sunlight.

PACKAGING

Johns Manville unfaced insulation is compression-packaged for savings in storage and freight costs.

RECOMMENDED STORAGE AND TRANSPORT

Store insulation indoors. Keep insulation clean and dry at all times. When transporting, cover completely with a waterproof tarpaulin as necessary.

SPECIFICATION COMPLIANCE

ASTM C 665, Type I
ASTM E 84 Flame Spread =10 / Smoke Developed = 10
AS/NZS 4859.1 for thermal performance



PRODUCT CHARACTERISTICS

Part No.	R-Value*	Thickness mm	Width mm	Length mm	Batts/ Bag	m ² / Bag	Bags/ Unit	m ² / Unit	Units/ Container	m ² / Container
S79077	3.2	165	432	1,219	18	9.48	4	37.92	100	3,792
S79078	3.2	165	584	1,219	18	12.81	4	51.26	80	4,101
S79079	3.5	171.5	432	1,164	16	8.05	4	32.18	100	3,218
S79080	3.5	171.5	584	1,164	16	10.88	4	43.51	80	3,480

*m²K/W at 23° C.

SHORT FORM SPECIFICATION

All insulation shown on drawings or specified herein shall be “Johns Manville Unfaced Formaldehyde-free Thermal and Acoustical Fiber Glass Insulation.” Thermal resistance “R” values of the insulation shall be R _____ in ceilings.

LIMITATIONS OF USE

Check applicable building codes.

PERFORMANCE ADVANTAGES

- Formaldehyde-free – will not off-gas formaldehyde in the indoor environment.
- Thermal Efficiency – provides effective resistance to heat transfer.
- Sound Control – reduces transmission of sound through exterior and interior walls and floor/ceiling assemblies.
- Fire-resistant and Noncombustible.
- Noncorrosive – does not accelerate corrosion of pipes, wiring or metal studs.
- Durable – unaffected by moisture, oil, grease and most acids. It will not rot, mildew or otherwise deteriorate.
- Resilient – bonded glass fibers will not pull apart during normal applications and resist settling, breakdown and sagging from vibration.
- Flexible – forms readily around corners and curved surfaces.

Technical specifications as shown in this literature are intended to be used as general guidelines only. The physical and chemical properties of unfaced thermal and acoustical fiber glass insulation listed herein represents 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 Limited Warranty and Limitation of Remedy or for information on other Johns Manville thermal and acoustical insulation and systems, contact your local supplier.



Properly insulating a structure using Johns Manville building insulation helps preserve our environment by reducing energy consumption for heating and cooling, reducing the emission of hazardous air pollutants during manufacturing and reducing waste through the utilization of recycled materials. Look for the cross and globe emblem on Johns Manville building insulation which indicates independent certification by Scientific Certification Systems, Inc. of 25% or more recycled glass content.

717 17th Street (80202)
P.O. Box 5108
Denver, CO 80217
USA
1-800-654-3103
www.jm.com