



Smart Ideas. Better Insulation.

Building Insulation Submittal Form



Johns Manville has revolutionized the building insulation industry by developing 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 JM 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.

This form is provided to aid in the selection and specification of the proper Fiber Glass Building Insulation. Also included are basic performance data and specification compliances. For more information or technical assistance, contact your local sales representative.

**For information on other Johns Manville products,
contact the Product Information Center at 1-800-654-3103.
Or visit our website at www.jm.com.**

Submitted to: _____

Submitted by: _____ Date: _____

Job Reference: _____

Job Name: _____

Materials Provided	Product Description	R-value/Size (thickness, nominal)	RSI-value/Size (thickness, nominal)	Location	Specification Compliance
<input type="checkbox"/> FSK-25 Faced Batts <i>FORMALDEHYDE-FREE</i>	Fiber glass batts for thermal and acoustical applications faced with a flame-resistant, foil-scrim-kraft laminate. Meets ASTM E 84 flame/smoke rating of 25/50 or less. The reflective foil facing has a maximum perm rating of 0.05 Grains/hr • ft ² • in. Hg (2.9 ng/s • m ² • Pa).	FOR METAL FRAMING <input type="checkbox"/> R-30/10¼" <input type="checkbox"/> R-19/6½" <input type="checkbox"/> R-13/3½" <input type="checkbox"/> R-11/3½" & 3⅝"	RSI-5.3/260 mm RSI-3.3/165 mm RSI-2.3/89 mm RSI-1.9/89 mm & 92 mm	_____ _____ _____ _____	ASTM Standard C 665 Type III Class A Category 1
<input type="checkbox"/> ComfortTherm® Poly-encapsulated Batts <i>FORMALDEHYDE-FREE</i>	Poly-encapsulated batts for thermal and acoustical applications are designed for concealed metal and wood framed wall and ceiling applications and directly above suspended ceiling systems. Poly-encapsulation makes installation cleaner. Wrapped in polyethylene film with maximum perm rating of 0.05 Grains/hr • ft ² • in. Hg (29 ng/s • m ² • Pa). These batts resist heat and sound transmission. Meet Fire Hazard Classification rating of 25/50 or less.	FOR METAL FRAMING <input type="checkbox"/> R-30/10¼" <input type="checkbox"/> *R-25/8¼" <input type="checkbox"/> R-19/6½" <input type="checkbox"/> R-13/3½" <input type="checkbox"/> R-11/3⅝"	RSI-5.3/260 mm RSI-4.4/210 mm RSI-3.3/165 mm RSI-2.3/89 mm RSI-1.9/92 mm	_____ _____ _____ _____ _____	ASTM Standard C 665 Type II Class A Category 1 (non-perforated surface) *Category 2 (perforated poly surface, not a vapor retarder)
<input type="checkbox"/> EasyFit™ Vertically Perforated Batts <i>FORMALDEHYDE-FREE</i>	Pre-cut, perforated batts come in a variety of sizes and R-values for thermal and acoustical use in non-standard width cavities. Eliminates time-consuming hand cutting and enables a faster, easier and better performing installation.	EASYFIT™ KRAFT-FACED FOR WOOD FRAMING <input type="checkbox"/> R-21/5½" <input type="checkbox"/> R-19/6½" <input type="checkbox"/> R-15/3½" <input type="checkbox"/> R-13/3½"	RSI-3.7/140 mm RSI-3.3/165 mm RSI-2.6/89 mm RSI-2.3/89 mm	_____ _____ _____ _____	ASTM Standard C 665 Type I (Unfaced) Type II (Kraft-Faced) Class C Category 1
<input type="checkbox"/> Unfaced Batts <i>FORMALDEHYDE-FREE</i>	Fiber glass insulation for thermal and acoustical applications with no facing. When vapor control is required, a separate vapor retarder such as 4 mil (0.1 mm) or thicker polyethylene may be installed.	FOR METAL FRAMING <input type="checkbox"/> R-30/10¼" <input type="checkbox"/> R-19/6½" <input type="checkbox"/> R-13/3½" <input type="checkbox"/> R-11/3½" & 3⅝" <input type="checkbox"/> **N/A/2¾"	RSI-5.3/260 mm RSI-3.3/165 mm RSI-2.3 /89 mm RSI-1.9/89 mm & 92 mm N/A/70 mm	_____ _____ _____ _____ _____	ASTM Standard C 665 Type I
		FOR WOOD FRAMING <input type="checkbox"/> R-38/13" <input type="checkbox"/> R-38c/10¼" <input type="checkbox"/> R-30/10¼" <input type="checkbox"/> R-30c/8¼" <input type="checkbox"/> R-25/8¼" <input type="checkbox"/> R-22/7½" <input type="checkbox"/> R-21/5½" <input type="checkbox"/> R-19/6½" <input type="checkbox"/> R-15/3½" <input type="checkbox"/> R-13/3½" <input type="checkbox"/> R-11/3½"	RSI-6.7/318 mm RSI-6.7/260 mm RSI-5.3/260 mm RSI-5.3/210 mm RSI-4.4/210 mm RSI-3.9/190 mm RSI-3.7/140 mm RSI-3.3/165 mm RSI-2.6/89 mm RSI-2.3/89 mm RSI-1.9/89 mm	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____	
	**For sound control in interior walls				
<input type="checkbox"/> Foil-Faced Batts <i>FORMALDEHYDE-FREE</i>	Fiber glass batts for thermal and acoustical applications with a foil/kraft laminate facing. The facing provides a maximum perm rating of 0.05 Grains/hr • ft ² • in. Hg (2.9 ng/s • m ² • Pa). The foil facing meets ASTM E 84 flame/smoke rating of 75/150 or less. It is not for use in exposed applications.	FOR METAL FRAMING <input type="checkbox"/> R-30/10¼" <input type="checkbox"/> R-19/6½" <input type="checkbox"/> R-13/3½" <input type="checkbox"/> R-11/3⅝"	RSI-5.3/260 mm RSI-3.3/165 mm RSI-2.3/89 mm RSI-1.9/92 mm	_____ _____ _____ _____	ASTM Standard C 665 Type III Class B Category 1

Materials Provided	Product Description	R-value/Size (thickness, nominal)	RSI-value/Size (thickness, nominal)	Location	Specification Compliance			
<input type="checkbox"/> Kraft-Faced Batts <i>FORMALDEHYDE-FREE</i>	Fiber glass batts for thermal and acoustical applications faced with a flanged, kraft paper vapor retarder with a maximum perm rating of 1.0 Grains/hr • ft ² • in. Hg (57 ng/s • m ² • Pa). The kraft facing is flammable and must not be left exposed.	FOR METAL FRAMING		_____	ASTM Standard C 665 Type II Class C Category 1			
		<input type="checkbox"/> R-19/6½"	RSI-3.3/165 mm					
		<input type="checkbox"/> R-13/3½"	RSI-2.3 /89 mm	_____				
		<input type="checkbox"/> R-11/3½" & 3¾"	RSI-1.9/89 mm & 92 mm	_____				
		FOR WOOD FRAMING		_____				
		<input type="checkbox"/> R-38/13"	RSI-6.7/318 mm	_____				
		<input type="checkbox"/> R-38c/10¼"	RSI-6.7/260 mm	_____				
		<input type="checkbox"/> R-30/10¼"	RSI-5.3/260 mm	_____				
		<input type="checkbox"/> R-30c/8¼"	RSI-5.5/210 mm	_____				
		<input type="checkbox"/> R-25/8¼"	RSI-4.4/210 mm	_____				
		<input type="checkbox"/> R-22/7½"	RSI-3.3/165 mm	_____				
		<input type="checkbox"/> R-21/5½"	RSI-3.7/140 mm	_____				
		<input type="checkbox"/> R-19/6½"	RSI-3.3/165 mm	_____				
		<input type="checkbox"/> R-15/3½"	RSI-2.6/89 mm	_____				
		<input type="checkbox"/> R-13/3½"	RSI-2.3 /89 mm	_____				
		<input type="checkbox"/> R-11/3½"	RSI-1.9/89 mm	_____				
<input type="checkbox"/> Climate Pro® Blow-in Insulation <i>FORMALDEHYDE-FREE</i>	Premium unbonded fiber glass blowing wool for pneumatic blowing machine installation in attics or enclosed spaces. Chart shows attic coverage:	R-value	Installed Thickness	Bags per 1000 ft.²	Maximum Net Coverage (ft²/bag)	Minimum Weight per Bag (lb/ft²)		
		60	22.75"	36.3	28	.981		
		50	19.50"	29.8	34	.804		
		44	17.75"	26.4	38	.713		
		38	15.75"	22.8	44	.615		
		30	12.75"	17.6	57	.475		
		26	11.50"	15.6	64	.420		
		22	9.75"	12.8	78	.346		
		19	8.75"	11.3	88	.306		
		11	5.25"	6.4	156	.173		
		<input type="checkbox"/> Climate Pro BIBS® Blow-In-Blanket® System <i>FORMALDEHYDE-FREE</i>	Premium unbonded fiber glass blowing wool for installation in enclosed cavities using the Blow-In-Blanket System (BIBS).* <small>*BIBS and the Blow-In-Blanket System are registered trademarks of Ark-Seal International.</small>	R-value	Installed Thickness	Bags per 1000 ft.²	Maximum Net Coverage (ft²/bag)	Minimum Weight per Bag (lb/ft²)
				38	9.25"	65.7	15.2	1.77
				36	9.25"	51.4	19.5	1.39
30	7.25"			51.5	19.4	1.39		
23	5.50"			39.0	25.6	1.05		
22	5.50"			30.6	32.7	.83		
28	7.25"			40.3	24.8	1.09		
15	3.50"			24.8	40.2	.67		
14	3.50"			19.4	51.4	.53		
<input type="checkbox"/> Panel Deck FSK-25 Faced Batts <i>FORMALDEHYDE-FREE</i>	Fiber glass batts for thermal and acoustical applications faced with an extended tab, flame-resistant, foil-scrim-kraft laminate facing.			<input type="checkbox"/> R-30/10¼"	RSI-5.3/260 mm	_____	ASTM Standard C 665 Type III Class A Category 1	
				<input type="checkbox"/> R-19/6½"	RSI-3.3/165 mm	_____		
<input type="checkbox"/> Panel Deck PSK-Faced Batts <i>FORMALDEHYDE-FREE</i>	Fiber glass batts for thermal and acoustical applications faced with extended tab, flame-resistant, white, polypropylene-scrim-kraft laminate facing.			<input type="checkbox"/> R-19/6½"	RSI-3.3/165 mm	_____	ASTM Standard C 665 Type II Class A Category 1	
<input type="checkbox"/> ITP Concrete Wall Insulation™ System <i>FORMALDEHYDE-FREE</i>	White WMP-10 faced fiber glass insulation used to increase thermal performance of concrete walls.	<input type="checkbox"/> R-10/2¼"	RSI-1.76/57 mm	_____	ASTM Standard C 612 Type IA			
<input type="checkbox"/> Basement Wall Insulation <i>FORMALDEHYDE-FREE</i>	Fiber glass blanket, either unfaced or white polypropylene faced, designed to insulate basement or crawl space walls without framing. The faced product with seams taped provides a finished wall surface.	FOR WOOD FRAMING		_____	ASTM Standard C 665 Type I Unfaced			
		<input type="checkbox"/> R-11/3½" Unfaced						
		<input type="checkbox"/> R-11/3½" Faced						
		<input type="checkbox"/> R-11/3½" Perforated Facing		_____	ASTM Standard C 665 Type II, Class A Category 1 (faced) Category 2 (perforated facing)			

Materials Provided	Product Description	Location
<input type="checkbox"/> Insul-SHIELD®	<p>A series of flexible, semi-rigid or rigid fiber glass boards available unfaced or with FSK (Foil-Scrim-Kraft facings), white PSK (Polypropylene-Scrim-Kraft facings), or black mat facings in the density/thermal ranges listed below. Coated Black Insul-SHIELD is available in roll-form. Because of its rigidity, the insulation can often be used where framing is not present.</p> <p><i>Insul-SHIELD is manufactured both with and without a formaldehyde-based binder. Check with your JM sales representative for availability.</i></p>	

Physical Properties

Product Name	Density		"k" values*		Thickness		R-value*	RSI*
	lb/ft ³	kg/m ³	$\frac{\text{Btu}\cdot\text{in}}{(\text{hr}\cdot\text{ft}^2\cdot^\circ\text{F})}$	$\frac{\text{W}}{\text{m}\cdot\text{K}}$	inches	mm	$\frac{(\text{hr}\cdot\text{ft}^2\cdot^\circ\text{F})}{\text{Btu}}$	m ² •K/W
I/S 100	1.0	16.0	0.27	0.039	1½	38	5.6	0.99
I/S 150	1.50	24.0	0.24	0.035	**1	25	4.2	0.74
					**1½	38	6.3	1.11
					**2	51	8.3	1.46
					**2½	64	10.4	1.83
					3	76	12.5	2.20
					3½	89	14.6	2.57
					4	102	16.7	2.94
I/S 225	2.25	36.1	0.23	0.033	**1	25	4.3	0.76
					**1½	38	6.5	1.14
					**2	51	8.7	1.53
					**2½	64	10.9	1.92
					**3	76	13.0	2.29
					3½	89	15.2	2.68
					4	102	17.4	3.06
I/S 300	3.0	48.1	0.23	0.033	**1	25	4.3	0.76
					**1½	38	6.5	1.14
					**2	51	8.7	1.53
					**2½	64	10.9	1.92
					**3	76	13.0	2.29
					3½	89	15.2	2.68
					4	102	17.4	3.06
I/S 600	6.0	96.1	0.22	0.032	**1	25	4.5	0.79
					**1½	38	6.8	1.20
					**2	51	9.1	1.60
					2½	64	11.4	2.01
					3	76	13.6	2.40
Coated I/S Black			0.25	0.036	1	25	4.0	0.70
					2	51	8.0	1.41

* Thermal properties per ASTM C 518

** Black Mat Insul-SHIELD available for these thicknesses only. Other thicknesses available by special order and subject to minimums.

Specification Compliance⁺

Type	I/S 100	I/S 150	I/S 225	I/S 300	I/S 600	Coated I/S Black
ASTM C 612, Type IA, Category 1**	X	X	X	X	X	X
ASTM C 612, Type IB, Category 1**		X	X	X	X	
ASTM C 612, Type IB, Category 2**				X	X	
ASTM C 553, Type I and II**	X	X				
ASTM C 665, Type I**	X	X				
ASTM C 665, Type III, Class A, Category 1**		X				
ASTM E 136 (Noncombustible)	X	X	X	X		X
ASTM E 84 (Flame/Smoke 25/50 or less)	X	X	X	X	X	X

⁺ When ordering material under a government specification that requires specific lot testing and certification of compliance prior to shipment, this must be requested on the purchase order. There may be additional charges for specification compliance testing.

** Exceptions to ASTM standards: Not tested for use at elevated temperatures. Corrosiveness is tested on galvanized steel instead of plain low-carbon steel.

Materials Provided	Product Description	R-value/Size (thickness, nominal)	Location	Specification Compliance
<input type="checkbox"/> AP™	Rigid foam sheathing insulation for non-exposed uses in commercial and residential construction. Composed of a polyisocyanurate foam core bonded on each side to foil laminate facers.	<input type="checkbox"/> R-30/4.2" <input type="checkbox"/> R-28.8/4" <input type="checkbox"/> R-25.2/3½" <input type="checkbox"/> R-21.6/3" <input type="checkbox"/> R-18/2½" <input type="checkbox"/> R-14.4/2" <input type="checkbox"/> R-10.8/1½" <input type="checkbox"/> R-7.2/1" <input type="checkbox"/> R-5.4/¾" <input type="checkbox"/> R-4.5/¾" <input type="checkbox"/> R-3.6/½"	_____	ASTM C 1289, Type I Class 1 F.S. HH-I-1972/1 Class 1
<input type="checkbox"/> extRa™	Rigid foam sheathing insulation for non-exposed uses in commercial and residential construction. Composed of a polyisocyanurate foam core bonded on each side to a durable fiber-reinforced polymer facer.	<input type="checkbox"/> R-18.4/3" <input type="checkbox"/> R-15.4/2½" <input type="checkbox"/> R-12.2/2" <input type="checkbox"/> R-9.2/1½" <input type="checkbox"/> R-6.5/1" <input type="checkbox"/> R-4.9/¾" <input type="checkbox"/> R-4.0/¾" <input type="checkbox"/> R-3.2/½"	_____	ASTM C 1289 Type II F.S. HH-I-1972/2 Class 1
<input type="checkbox"/> IsoVent™	Polyisocyanurate foam insulation panel with a moisture-resistant fiber-reinforced facer bonded to both sides. Manufactured with formed channels on the topside that provide a ventilation space under roof decking.	<input type="checkbox"/> R-25.7/4" <input type="checkbox"/> R-22.3/3½" <input type="checkbox"/> R-20/3¼" <input type="checkbox"/> R-18.6/¾" <input type="checkbox"/> R-14.0/2½"	_____	ASTM C 1289 Type II F.S. HH-I-1972/GEN, and F.S. HH-I-1972 Class 1 Factory Mutual 4450 Class 1 Component
<input type="checkbox"/> NailBoard™	Rigid insulation panel composed of a polyisocyanurate foam core bonded to ½" or ⅝" OSB on one side and fiber-reinforced facer on the other.	Includes ⅞" OSB: <input type="checkbox"/> R-27.3/4" <input type="checkbox"/> R-23.1/3½" <input type="checkbox"/> R-20/3" <input type="checkbox"/> R-15.4/2½" <input type="checkbox"/> R-11.4/2" <input type="checkbox"/> R-7.3/1½" Includes ⅞" OSB: <input type="checkbox"/> R-25.6/4" <input type="checkbox"/> R-22.4/3½" <input type="checkbox"/> R-19.1/3" <input type="checkbox"/> R-15.2/2½" <input type="checkbox"/> R-11.1/2"	_____	ASTM C 1289, Type V, F.S. HH-I-1972/GEN UL790 (ASTM E 108) Class A Component Factory Mutual 4450 Class 1 Component

Other Building Products

Materials Provided	Product Description	Size	Location	Specification Standards
<input type="checkbox"/> ProWrap® Housewrap	Premium perforated housewrap made from cross-laminated polyethylene. Reduces air leakage through walls and resists water penetration, while allowing inside water vapor to escape.	<input type="checkbox"/> 3' x 100' <input type="checkbox"/> 9' x 100' <input type="checkbox"/> 9' x 150' <input type="checkbox"/> 9' x 200' <input type="checkbox"/> ProWrap Housewrap Tape	_____	ASTM E 1677
<input type="checkbox"/> Vent Chute	Rigid foam channel that creates a ventilation space between the roof deck and insulation to relieve heat and moisture buildup in the attic.	<input type="checkbox"/> Perforated for 16" o.c. joists for 48" x 22" framing length <input type="checkbox"/> Perforated for 24" o.c. joists for 48" x 11" framing	_____	
<input type="checkbox"/> SureGrip™	Self-adhering waterproofing membrane composed of a specially modified asphalt with a reinforced glass fiber mat.	<input type="checkbox"/> 1 square roll <input type="checkbox"/> 2 square roll <input type="checkbox"/> 1 square granular poly-faced surface roll <input type="checkbox"/> 2 square granular surface roll	_____	ASTM D 1970

FIRE SAFETY

Johns Manville Fiber Glass Building Insulation, without facing, has been tested in accordance with ASTM E 84 and has a flame spread rating of less than 25 and a smoke developed rating of less than 50. UL Label File R-3711 available upon request, documenting a Fire Hazard Classification rating of 25/50 or less. Unfaced fiber glass insulation has passed the ASTM E 136 test and is therefore considered noncombustible by the major building codes.

When provided with a standard vapor retarder, the composite product cannot be classified as "noncombustible" as defined in most building codes. Vapor retarders (unless Class A rated) will burn and must not be left exposed.

They must be covered with gypsum board or other code-approved materials and installed in compliance with all building codes. To prevent a fire, keep open flames and other sources of heat away from the facing.

Faced insulations listed as ASTM C 665, Class A have achieved a flame spread rating of 25 or less, and a smoke developed rating of 50 or less per ASTM E 84 test method. (See additional information in "Guide Specifications" section of this form.)

Guide Specifications for Johns Manville Fiber Glass Thermal and Acoustical Insulations

Note to the specifier: Delete sections not used; fill in correct selections where indicated and/or add other information as required.

Specifications apply to wall, ceiling and/or floor insulation, both thermal and acoustical, except where noted.

Insulation materials meet the Insulation Quality Standards of the State of California and the Minnesota Thermal Insulation Standards.

I. SCOPE

A. The general conditions in Division 1 of this specification form an integral part of the contract for the work specified in this section and all conditions contained therein shall be binding upon the contractor and shall govern the work.

B. No substitution will be permitted for materials and methods covered in this section.

II. WORK INCLUDED

A. The work under this section of the specifications shall include furnishing all supervision, labor, materials, tools and equipment, and performing all operations necessary for the complete insulation system as described in the drawings and specifications in a first-class workmanlike manner.

III. GENERAL REQUIREMENTS

A. Receiving and storing materials:
All materials must be delivered in original unopened packages with manufacturer's name and contents legibly indicated. Store insulation indoors. Keep insulation clean and dry at all times. When transporting, cover completely with a waterproof tarpaulin as necessary.

B. All work, by other trades, to be concealed by insulation must be inspected and approved by those having jurisdiction; execution of the insulation installation shall not proceed until so authorized.

IV. MATERIALS (REPEAT FOR EACH LOCATION) THERMAL-ACOUSTICAL INSULATION

A. Insulation for (location: ceilings, walls, floors, etc.) shall be Johns Manville Formaldehyde-free* fiber glass insulation (Unfaced or Kraft-faced, ComfortTherm® poly-encapsulated, FSK-25 flame-resistant foil-faced, Foil-faced or Insul-SHIELD) fiber glass in roll, batt or board form, (thickness) thick, R-value** (specify).

* Insul-SHIELD® is manufactured both with and without a formaldehyde-based binder. Check with your JM sales representative for availability.

** 2 3/4" sound control batts do not carry an R-value

V. INSTALLATION

Note: The following apply to both thermal and acoustical applications *except* for B and C, which apply to thermal applications only.

A. Installation of the insulation shall be in accordance with the applicable building code, industry standards and any specific instructions on the product package.

B. Insulation shall fit all framing spaces, including areas between joists and outside headers, behind electrical outlets and piping, and other areas, to form a complete insulating blanket around the heated or cooled areas of the structure.

C. In colder climate areas, vapor retarders (whether attached to the insulation or applied separately) are often placed toward the heated or conditioned side of the wall. This is done to reduce water vapor penetration into the wall from the building interior. Conversely, in predominately hot, humid climates local practices often call for placing the vapor retarder toward the outside of the wall cavity. Check your local building codes for vapor requirements.

D. Standard kraft and standard foil facings are combustible and must not be left exposed. Where exposed application is desirable and permitted by applicable codes, FSK-25 flame-resistant facing must be used.†

E. Insulation should not be installed over or within 3" (76 mm) of fixtures containing lights, fans or other heat-generating electrical devices. Baffles should be used to maintain these clearances. Failure to do so may result in damage to these devices. To determine insulation clearance requirements, local building code requirements must be followed. IC-rated light fixtures may be covered with insulation.

Metal flues from furnaces, hot water tanks, etc., and some types of chimneys require 1" (25 mm) or more clearance from combustible materials. Some may require clearance from noncombustible materials (per ASTM E 136) like unfaced fiber glass insulation. Equipment and appliance manufacturer's instructions and local building codes shall be consulted for specific insulation clearance requirements.

†Johns Manville Fiber Glass Building Insulations, exclusive of facings, have passed the ASTM E 136 test. Products that pass this test are considered noncombustible by the major building codes.



Properly insulating a structure using Johns Manville building insulation helps preserve our environment by reducing energy consumption for heating and cooling, reducing the pollution resulting from fuel burning, 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.



Technical specifications as shown in this literature are intended to be used as general guidelines only. The physical and chemical properties of thermal and acoustical fiber glass 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 Limited Warranty and Limitation of Remedy. For a copy of the Johns Manville Limited Warranty and Limitation of Remedy or for information on other Johns Manville thermal and acoustical insulation and systems, call or write to the 800 number or address listed below.

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