



Formaldehyde-free™ Fiber Glass Insulation

Building Insulation Submittal Form



JM Formaldehyde-free™ fiber glass building insulation offers the thermal and acoustical performance you expect from fiber glass—and it improves indoor air quality, because it's made without formaldehyde. Why is that important? Because limiting overall exposure to formaldehyde can create a healthier living environment, and choosing JM is one way of achieving that goal. JM offers a complete line of Formaldehyde-free™ fiber glass building insulation.

This form is provided to help you select and specify 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.

If you are interested in other Johns Manville building products, such as Gorilla Wrap™ Housewrap or Vent Chutes, please see the section following insulation products.

For more information on Johns Manville products, call 1-800-654-3103 or visit specJM.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
☐ FSK-25 Faced Batts FORMALDEHYDE-FREE™	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 • ft² • in. Hg (2.9 ng/s • m² • Pa).	FOR METAL FRAMING ☐ R-30/10¼" ☐ R-19/6½" ☐ R-13/3½" ☐ R-11/3½"	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 A Category 1
☐ ComfortTherm® Poly-encapsulated Batts with Vapor-retarder Facing FORMALDEHYDE-FREE™	Poly-encapsulated batts for thermal and acoustical applications are designed for concealed metal and wood-framed wall and ceiling applications, directly above suspended ceiling systems and under floors. Poly-encapsulation makes installation cleaner and acts as a vapor retarder. Wrapped in polyethylene film with maximum perm rating of 0.5 Grains/hr • ft² • in. Hg (29 ng/s • m² pt • Pa). These batts resist heat, sound and vapor transmission. Meets Fire Hazard Classification rating of 25/50 or less.	FOR METAL FRAMING ☐ R-30/10¼" ☐ R-19/6½" ☐ R-13/3½" ☐ R-11/3½" FOR WOOD FRAMING ☐ R-38c/10¼" ☐ R-30/10¼" ☐ R-21/5½" ☐ R-19/6½" ☐ R-13/3½" ☐ R-11/3½" FOR WOOD FRAMING UNDER FLOORS (REVERSE FLANGE) ☐ R-19/6½"	RSI-5.3/260 mm RSI-3.3/165 mm RSI-2.3/89 mm RSI-1.9/92 mm RSI-6.7/260 mm RSI-5.3/260 mm RSI-3.7/140 mm RSI-3.3/165 mm RSI-2.3/89 mm RSI-1.9/89 mm RSI-3.3/165 mm	_____ _____ _____ _____ _____ _____ _____ _____	ASTM Standard C 665 Type II Class A Category 1 (non-perforated surface)
☐ ComfortTherm® Poly-encapsulated Batts with Non-vapor-retarder Facing FORMALDEHYDE-FREE™	ComfortTherm Poly-encapsulated Batts are also available with a non-vapor-retarder facing, recommended for hot, humid climates and over existing attic insulation.	FOR WOOD FRAMING ☐ R-30/10¼" ☐ R-19/6½" ☐ R-13/3½" ☐ R-11/3½"	RSI-5.3/260 mm RSI-3.3/165 mm RSI-2.3/89 mm RSI-1.9/89 mm	_____ _____ _____ _____	ASTM Standard C 665 Type II Class A Category 2 UL File R3711 ASTM E 84 Flame Spread 25 or less Smoke Developed 50 or less ASTM E 96 Permeability 10 Perms
☐ EasyFit® Vertically Perforated Batts FORMALDEHYDE-FREE™	Pre-cut, perforated batts come in a variety of sizes and R-values for thermal and acoustical use in nonstandard width cavities. Eliminates time-consuming hand cutting and enables a faster, safer and easier installation.	EASYFIT KRAFT-FACED FOR WOOD FRAMING ☐ R-21/5½" ☐ R-19/6½" ☐ R-15/3½" ☐ R-13/3½" EASYFIT UNFACED FOR WOOD FRAMING ☐ R-21/5½" ☐ R-19/6½" ☐ R-15/3½" ☐ R-13/3½"	RSI-3.7/140 mm RSI-3.3/165 mm RSI-2.6/89 mm RSI-2.3/89 mm 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

Materials Provided	Product Description	R-value/Size (thickness, nominal)	RSI-value/Size (thickness, nominal)	Location	Specification Compliance
☐ 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 ☐ R-30/10¼" ☐ R-25/8¼" ☐ R-21/5½" ☐ R-19/6½" ☐ *R-13/3½" ☐ R-11/3⅝" ☐ N/A/2¾"	RSI-5.3/260 mm RSI-4.4/210 mm RSI-3.7/140 mm RSI-3.3/165 mm RSI-2.3/89 mm RSI-1.9/92 mm N/A/70 mm	 	ASTM Standard C 665 Type I
		FOR WOOD FRAMING ☐ R-38/13" ☐ R-38c/10¼" ☐ R-30/10¼" ☐ R-30c/8¼" ☐ R-25/8¼" ☐ R-22/7½" ☐ R-21/5½" ☐ R-19/6½" ☐ R-15/3½" ☐ R-13/3½" ☐ 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				
☐ 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 • ft² • in. Hg (2.9 ng/s • m² • 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 ☐ R-30/10¼" ☐ R-19/6½" ☐ R-13/3½" ☐ 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
☐ 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 • ft² • in. Hg (57 ng/s • m² • Pa). The Kraft facing is flammable and must not be left exposed.	FOR METAL FRAMING ☐ R-19/6½" ☐ R-13/3½" ☐ R-11/3⅝"	RSI-3.3/165 mm RSI-2.3/89 mm RSI-1.9/92 mm	 	ASTM Standard C 665 Type II Class C Category 1
		FOR WOOD FRAMING ☐ R-38/13" ☐ R-38c/10¼" ☐ R-30/10¼" ☐ R-30c/8¼" ☐ R-25/8¼" ☐ R-22/7½" ☐ R-21/5½" ☐ R-19/6½" ☐ R-15/3½" ☐ R-13/3½" ☐ R-11/3½"	RSI-6.7/318 mm RSI-6.7/260 mm RSI-5.3/260 mm RSI-5.5/210 mm RSI-4.4/210 mm RSI-3.3/165 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	 	
☐ MR® Faced Batts <i>FORMALDEHYDE-FREE™</i>	Fiber glass batts for thermal and acoustical applications with a flanged facing treated with an EPA-registered mold inhibitor. This inhibitor protects the insulation against the growth of mold, mildew and fungi. The facing is also a “smart” vapor retarder so that in extreme humidity, the permeability doubles to allow moisture to escape at a faster rate.	FOR METAL FRAMING (made to order) ☐ R-19/6½" ☐ R-11/3⅝"	RSI-3.3/165 mm RSI-1.9/92 mm	 	ASTM C 665 Type II Class C Category 1 ASTM E 96 Permeability; Kraft ≤ 1 Perm ASTM C 1338 No Growth ASTM D 2020* Fungus-resistant
		FOR WOOD FRAMING ☐ R-30/10¼" ☐ R-19/6½" ☐ R-15/3½" ☐ R-13/3½"	RSI-5.3/260 mm RSI-3.3/165 mm RSI-2.6/89 mm RSI-2.3/89 mm	 	
					* Facing test method standardized for asphalt-coated Kraft

Materials Provided	Product Description	R-value	Installed Thickness	Settled Thickness	Bags per 1000 ft. ²	Maximum Net Coverage (ft ² /bag)	Minimum Weight per Square Foot (lb/ft ²)
☐ Climate Pro® Blow-in Insulation <i>FORMALDEHYDE-FREE™</i>	Premium unbonded fiber glass blowing wool for pneumatic blowing machine installation in attics.	60	22.8"	22.7"	38.2	26	0.974
		49	19.1"	19.0"	30.4	33	0.774
		44	17.4"	17.3"	26.9	37	0.686
		38	15.3"	15.1"	22.9	44	0.583
		30	12.4"	12.2"	17.6	57	0.450
		26	10.9"	10.7"	15.1	66	0.385
		22	9.3"	9.2"	12.6	79	0.322
		19	8.1"	8.0"	10.8	93	0.276
		13	5.7"	5.6"	7.2	138	0.185
		11	4.9"	4.8"	6.1	164	0.155
☐ 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)* *BIBS and the Blow-In-Blanket System are registered trademarks of Ark-Seal International.	38	9.25" (Nominal 2x10)		69.5	14.4	1.77
		36			54.4	18.4	1.39
		30	7.25" (Nominal 2x8)		54.5	18.4	1.39
		28			42.6	23.4	1.09
		23	5.50" (Nominal 2x6)		41.3	24.2	1.05
		22			32.4	30.9	0.83
		15	3.50" (Nominal 2x4)		26.3	38.0	0.67
		14			20.6	48.6	0.53
☐ JM Spider® Spray-in Custom Fiber Glass Insulation <i>FORMALDEHYDE-FREE™</i>	Lightweight spray-in fiber glass insulation bound together with a non-toxic, water-soluble adhesive that also binds to cavity surfaces. It completely fills gaps for superior thermal and acoustical performance. It resists mold and mildew, is fast and easy to install and dries quickly.	23			27.5	36.4	0.83
		22	5.50" (Nominal 2x6)		21.4	46.8	0.64
		20			15.3	65.5	0.46
		15			17.5	57.1	0.53
		14	3.50" (Nominal 2x4)		13.6	73.5	0.41
		13			9.7	102.9	0.29

Specification Compliance
ASTM Standard C 1014
ASTM Standard C 764
The JM Spider system meets all building code fire test requirements for concealed and exposed insulation.

Materials Provided	Product Description	R-value/Size (thickness, nominal)	RSI-value/Size (thickness, nominal)	Location	Specification Compliance
☐ 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.	☐ R-30/10¼" ☐ R-19/6½"	RSI-5.3/260 mm RSI-3.3/165 mm	_____	ASTM Standard C 665 Type III Class A Category 1
☐ 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.	☐ R-19/6½"	RSI-3.3/165 mm	_____	ASTM Standard C 665 Type II Class A Category 1
☐ ITP Concrete Wall Insulation™ System <i>FORMALDEHYDE-FREE™</i>	White WMP-10 faced fiber glass insulation used to increase thermal performance of concrete walls.	☐ R-10/2¼"	RSI-1.76/57 mm	_____	ASTM Standard C 612 Type IA
☐ 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 ☐ R-11/3½" Unfaced ☐ R-11/3½" Faced ☐ R-11/3½" Perforated Facing		_____ _____ _____	ASTM Standard C 665 Type I Unfaced ASTM Standard C 665 Type II, Class A Category 1 (faced) Category 2 (perforated facing)

Materials Provided	Product Description	Location
☐ Insul-SHIELD® Insulation	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.	

Physical Properties

Product Name	Density		“k” values*		Thickness		R-value*	RSI*
	lb/ft³	kg/m³	Btu•in (hr•ft²•°F)	W m•K	inches	mm	(hr•ft²•°F) Btu	m² • 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
I/S 225	2.25	36.1	0.23	0.033	4	102	16.7	2.94
					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
I/S 300	3.0	48.1	0.23	0.033	3½	89	15.2	2.68
					4	102	17.4	3.06
					1**	25	4.3	0.76
					1½**	38	6.5	1.14
					2**	51	8.7	1.53
					2½**	64	10.9	1.92
I/S 600	6.0	96.1	0.22	0.032	3**	76	13.0	2.29
					3½	89	15.2	2.68
					4	102	17.4	3.06
					1**	25	4.5	0.79
					1½**	38	6.8	1.20
I/S Coated Black			0.25	0.036	2**	51	9.1	1.60
					2½	64	11.4	2.01
					3	76	13.6	2.40
					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	I/S Coated 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.
⁺⁺Not tested for use at elevated temperatures.

Foam Sheathing Insulation Products



Materials Provided	Product Description	R-value/Size (thickness, nominal)	Location	Specification Compliance
☐ AP™ Foil-Faced Polyisocyanurate Foam Sheathing	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.	☐ R-22.8/3½" ☐ R-19.5/3" ☐ R-16.3/2½" ☐ R-13.0/2" ☐ R-9.8/1½" ☐ R-6.5/1" ☐ R-5.0/¾" ☐ R-4.1/⅝" ☐ R-3.3/½"	_____ _____ _____ _____ _____ _____ _____ _____	ASTM C 1289, Type I Class 1
☐ Vented Nailboard® Insulation	Rigid roof insulation panel composed of a polyisocyanurate foam core attached with wood spacers to ⅝" or ⅜" OSB on one side and a universal fiber glass-reinforced facer on the other. Spacers provide ventilation space, allowing airflow in any direction.	<u>Includes ⅞" OSB:</u> ☐ R-25.5/5½" ☐ R-23.4/5¼" ☐ R-21.7/5" ☐ R-20.1/4¾" ☐ R-18.5/4½" ☐ R-16.9/4¼" ☐ R-15.3/4" ☐ R-13.7/3¾" ☐ R-12.1/3½" ☐ R-10.5/3¼" ☐ R-9/3" ☐ R-7.5/2¾" ☐ R-6/2½"	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	ASTM C 1289-01 Type V
☐ Nailboard® Insulation	Rigid roof insulation composed of a polyisocyanurate foam core attached to ⅝" or ⅜" OSB on one side and a universal fiber glass-reinforced facer on the other.	<u>Includes ⅞" OSB:</u> ☐ R-25.6/4½" ☐ R-22.3/4" ☐ R-19.1/3½" ☐ R-15.9/3" ☐ R-12.7/2½" ☐ R-9.6/2" ☐ R-6.6/1½" <u>Includes ⅝" OSB:</u> ☐ R-25.7/4½" ☐ R-22.4/4" ☐ R-19.2/3½" ☐ R-16.0/3" ☐ R-12.8/2½" ☐ R-9.7/2" ☐ R-6.7/1½"	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____	ASTM C 1289, Type V F.S. HH-I-1972/GEN and HH-I-1972/2

Other Building Products

Materials Provided	Product Description	Size	Location	Specification Standards
☐ Gorilla Wrap™ Housewrap	Non-perforated, non-woven, high-tear-strength polymeric wrap for residential and commercial use. Designed to significantly reduce infiltration of air and water into the wall cavity, during and after construction.	☐ 9' x 100' ☐ 9' x 150' ☐ 10' x 100' ☐ 10' x 150'	_____ _____ _____ _____	AATCC 127-1995, 407 cm ASTM E-96-95 Procedure A, 24 perms TAPPI T-460 Gurley-Hill, > 2500 sec/ 100 cc
☐ 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.	☐ Perforated for 16" o.c. joists (48" x 11" channel) or 24" o.c. joists (48" x 22" channel)	_____	

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. 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, Kraft-Faced, MR® Faced, ComfortTherm® Climate Pro®, JM Spider®, FSK-25 flame-resistant foil-faced, Foil-faced or Insul-SHIELD®) fiber glass in roll, batt, board or loose fill form, (thickness) thick, R-value** (specify).

*Strike "Formaldehyde-free™" if specifying Insul-SHIELD
**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 or omitting the vapor retarder. Check your local building codes for vapor retarder 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.



At least 20% Post-Consumer Glass
and the balance pre-consumer recycled glass
(North-American plant wide average)

25% Recycled Content

SCS-RRC-01073 www.scs-certified.com

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.



**Johns Manville
Insulation Systems**

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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 on this page.