



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

JM ComfortTherm poly-encapsulated thermal and acoustical fiberglass insulation is lightweight and made of long resilient glass fibers. ComfortTherm is wrapped in plastic for more comfortable installation with less itch and dust. The product is available with a vapor-retarder plastic facing, and also with a plastic facing that does not act as a vapor retarder for use in hot, humid climates.

AVAILABLE FORMS

- Pre-cut batts fit standard wall cavities and are faster to install than roll products.
- Rolls can be cut to fit any size wall cavity and installed in any part of a building—especially useful for long, unobstructed areas such as attics or crawl spaces.

USE

JM ComfortTherm insulation can be used in a wide variety of wood frame, engineered wood and steel frame construction applications, including:

New Construction: Residential homes and commercial buildings interior walls, floors and ceilings for thermal and sound control, as well as basement wall insulation.

Retrofit: Adding insulation to attics and crawl spaces.

INSTALLATION

ComfortTherm batts are sized to fit standard cavities. JM ComfortTherm insulation can easily be cut with an ordinary utility knife to fit nonstandard cavities—install it by simply pressing in place between studs or joists. JM ComfortTherm insulation can be secured by stapling the flanges to wood studs.

PACKAGING

JM ComfortTherm insulation is compression-packaged for savings in storage and freight costs.

DESIGN CONSIDERATIONS

In colder climates, 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. The plastic facing of standard JM ComfortTherm insulation is a vapor retarder. JM ComfortTherm insulation with a non-vapor-retarder facing is also available. Check your local building code for vapor-retarder requirements.

Refer to JM guide specifications for further design considerations and required installation instructions.

LIMITATIONS OF USE

Check applicable building codes.



PERFORMANCE ADVANTAGES

Formaldehyde-free: will not off-gas formaldehyde in the indoor environment.

Thermally Efficient: provides effective resistance to heat transfer with R-values up to R-30 (RSI-5.3).

Sound Control: reduces transmission of sound through exterior and interior walls and floor or ceiling assemblies.

Fire Resistant:

see Physical Properties.

Durable Inorganic Glass: will not rot, mildew or deteriorate and is noncorrosive to pipes, wiring and metal studs.

Superior Performance: bonded glass fibers are dimensionally stable and will not slump within the wall cavity, settle or break down during normal applications.

ENERGY AND ENVIRONMENT











Designed to meet the FTC's thermal performance requirements
16 C.F.R. Part 460

*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.



APPLICABLE STANDARDS & BUILDING CODE CLASSIFICATION

JM COMFORTTHERM INSULATION

ASTM C665, Type II, Class A, Category 1 or 2*

IBC, ALL TYPES

STANDARD SIZES*

FACING	R-VALUE	RSI VALUE	THICKNESS**	WIDTH [†]			
FACING	(hr•ft²•°F/Btu)	(m²•°C/Watts)	in (mm)	METAL FRAMING in (mm)		WOOD FRAMING in (mm)	
Poly-encapsulated	11	1.9	35/8 (92)		24 (610)	15 (381)	
	13	2.3	3½ (89)	16 (406)		15 (381)	
	19	3.3	6½ (165)	16 (406)	24 (610)	15 (381)	23 (584)
	21	3.7	5½ (140)	_		15 (381)	
	30	5.3	10¼ (260)	_	_	16 (406)	24 (610)

^{*}Consult your local JM sales representative or product availability chart for other available sizes and R-values (RSI-values).

PHYSICAL PROPERTIES*

PRODUCT	FLAME SPREAD	SMOKE DEVELOPED	VAPOR RETARDER (PERMS)	WATER VAPOR SORPTION
JM ComfortTherm Insulation	<25	<50	<0.5	Less than 5%

^{*}Products are tested in accordance: R-value ASTM C518 | Surface Burning Characteristics ASTM E84 | Water Vapor Permeance ASTM E96 | Water Vapor Sorption ASTM C1104



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 thermal and acoustical fiberglass 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 www2.jm.com/terms-conditions or call 800-654-3103.

^{*}Standard ComfortTherm is Category 1 (vapor retarder), R-25 and non-vapor retarder ComfortTherm for hot humid climates (available R-13, 19, 25 and 30) are category 2.

^{**}Thickness may vary by producing location.

^{*}Special widths and lengths may be available. Check with your local JM sales representative. Standard product lengths include 48," 93" and 96" (1,219 mm; 2,362 and 2,438 mm) batts.