



Formaldehyde-free™ Fiber Glass Insulating Blanket for Pre-Engineered Metal Buildings

PEBS Blanket™



PRODUCT DATA SHEET

COMPANY

Johns Manville is committed to creating more comfortable, healthier and energy-efficient indoor environments. We revolutionized the building insulation industry by pioneering the development of Formaldehyde-free™ fiber glass building insulation more than a decade ago. We continue to build on our legacy of innovation with a new Formaldehyde-free™ fiber glass insulation solution that utilizes an innovative bio-based binder, made mostly with rapidly renewable plant-based materials, that continues to offer excellent thermal and acoustical performance as well as improved handling, easier cutting and less dust than our previous product. At JM, we believe that in every detail, materials matter.

DESCRIPTION

PEBS Blanket™ is a general purpose Formaldehyde-free™ fiber glass insulation bonded with a bio-based binder for use in both roofs and walls of pre-engineered metal buildings. A resilient, unfaced insulating material, it provides economical thermal performance.

USE

New and Retrofit Construction: pre-engineered metal buildings – roofs and walls

AVAILABLE FORMS

Pre-cut blanket

INSTALLATION

PEBS blanket is typically installed between or over the purlins and girts for new construction as well as retrofit applications. An unfaced layer of insulation is typically used for double layer liner systems where a vapor retarder is not required.

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

DESIGN CONSIDERATIONS

PEBS Blanket is an unfaced thermal and acoustical fiber glass blanket used in various metal building insulation systems. PEBS blanket is not intended for lamination and typically used as an unfaced building insulation for roof and walls for metal buildings. The double layer poly packaging protects the material while on the job site. PEBS Blanket is available in R-10, 19, 25 and 30.

PACKAGING

JM 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.

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 with R-values up to R-30 (RSI 5.29).

Sound Control: reduces transmission of sound through roofs and walls of metal buildings.

Fire Resistant and Noncombustible: see Specification Compliance.

Noncorrosive: does not accelerate corrosion of pipes, wiring or metal studs.

Durable: 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.

ENERGY AND ENVIRONMENT





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APPLICABLE STANDARDS & BUILDING CODE CLASSIFICATION*

PEBS BLANKET
ASTM C991, TYPE 1
IBC, All Types

*Insulations complies with IBC (International Building Code), model code requirements for building construction types listed above.

STANDARD SIZES*

SPECIFICATION COMPLIANCE	R-VALUE	RSI-VALUE	THICKNESS	ROLL SIZE					
	(hr•ft ² •°F/Btu)	(m ² •°K/W)	in (mm)	WIDTH in (mm)			LENGTH ft (m)		
ASTM C991	10	1.8	3 (76)	72 (1829)			100 (30.5)		
PEBS BLANKET	19	3.4	6 (152)	60 (1524)	72 (1829)	86.5 (2198)	40 (12.2)	50 (15.2)	
TYPE 1	25	4.4	8 (203)	48 (1219)	60 (1524)	72 (1829)	96 (2438)	40 (12.2)	
	30	5.3	9 (229)	48 (1219)	60 (1524)	89.5 (2273)	25 (7.6)	35 (10.7)	

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

PHYSICAL PROPERTIES*

PRODUCTION	FLAME SPREAD	SMOKE DEVELOPED
Unfaced	< 25	< 50

*Products are tested in accordance: R-value ASTM C518
Surface Burning Characteristics ASTM E84

SHORT FORM SPECIFICATION

All insulation specified herein will consist of ____ PEBS Blanket Formaldehyde-free™ Fiber Glass Insulation with an R-value of ____ manufactured by Johns Manville. PEBS Blanket will be manufactured in accordance with ASTM Specification C991, Type I.



Visit our website at specJM.com or call **1-800-654-3103** | 717 17th Street Denver, CO 80202

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 for wood, engineered wood and steel frames 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, visit the website or call the 800 number above.

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