



Formaldehyde-Free™ Glass Wool Insulation Enhanced with Bio-Based Binder

RESIDENTIAL
BATTS

PRODUCT DATA SHEET FOR AUSTRALIA AND NEW ZEALAND

COMPANY

Johns Manville is committed to creating more comfortable, healthier and energy-efficient indoor environments throughout the world. We revolutionized the building insulation industry by pioneering the development of Formaldehyde-free™ glass wool building insulation over a decade ago. We continue to build on our legacy of innovation with a new Formaldehyde-free™ glass wool insulation solution that utilizes an innovative bio-based binder, made mostly with rapidly renewable plant-based materials. It 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

JM Formaldehyde-free™ thermal and acoustical insulation is made of long, resilient glass fibers bonded with our bio-based binder. A wide range of thermal resistance R-values is available to provide thermal control for both vertical and horizontal applications. JM insulation is available unfaced in Australia and New Zealand.

USE

JM Formaldehyde-free™ thermal and acoustical insulation can be used in a wide variety of timber-frame, engineered-wood and steel-frame construction applications, including:

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

Retrofit: adding insulation to attics, crawl spaces and above suspended ceilings.

INSTALLATION

JM insulation cuts easily with an ordinary utility knife and installs easily by simply pressing in place between studs or joists in standard framing.

PACKAGING

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

SPECIFICATION COMPLIANCE

- AS/NZS 4859.1 for thermal performance
- AS1530.1/1994 = Non-combustible
- AS1530.3/1994 = 0;0;0;1
- ASTM C665, Type I
- ASTM E136 = Noncombustible
- ASTM C1104 = Water Vapor Absorption = Less than 0.5% by weight
- ASTM C665 = Noncorrosive
- ASTM C1338 = Does not support microbial growth

DESIGN CONSIDERATIONS

Check your local Australian or New Zealand building codes for specific building and insulation 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. Less irritant than conventional Glasswool. Will not cause allergies.

Thermal Efficiency: provides effective resistance to heat transfer with Thermal Resistance Values up to R6.0.

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

Fire Resistant and Noncombustible: see Specification Compliance.

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.

INTERNATIONAL APPROVALS OR RECOGNITION





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PRODUCT PACKAGING

DESCRIPTION	WIDTH (mm)	LENGTH (mm)	BAG PIECES	BAG m ²
R1.5 x 75mm	432	1164	42	20.95
R1.5 x 75mm	584	1164	42	28.26
R2.0 x 90mm	432	1164	27	13.47
R2.0 x 90mm	584	1164	32	21.53
R2.5 x 125mm	432	1164	20	9.98
R2.5 x 125mm	584	1164	20	13.46
R3.2 x 160mm	432	1219	18	9.44
R3.2 x 160mm	584	1219	18	12.74
R3.5 x 171mm	432	1164	16	7.98
R3.5 x 171mm	584	1164	16	10.76
R4.0 x 195mm	432	1164	18	8.98
R4.0 x 195mm	584	1164	18	12.11
R5.0 x 260mm	432	1164	11	5.49
R5.0 x 260mm	584	1164	11	7.40
R6.0 x 275mm	432	1164	9	4.49
R6.0 x 275mm	584	1164	9	6.06



* Formaldehyde Free Glass Wool Insulation installed in residential ceiling



* Formaldehyde Free Glass Wool Insulation installed in residential walls

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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 glass wool 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.

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