

## 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

UMBI is a high-quality, highly resilient, formaldehyde-free fibreglass blanket insulation designed for lamination to a wide choice of custom vapour-retarding facings. Laminated UMBI offers excellent insulating value along with a vapour retarder, noise reduction and an attractive appearance. Available as a pre-cut blanket.

## USE

Metal frame construction - roof and wall applications in both new and existing metal buildings

## INSTALLATION

UMBI is a very versatile insulation. It can be faced with a variety of vapour retarders, or used unfaced as a filler blanket. Its versatility allows the building systems industry to utilize UMBI for a broad range of roof and wall applications. Faced UMBI is laid over purlins or girts before attaching exterior roof or wall panels. JM insulation cuts easily with an ordinary utility knife and installs by simply pressing in place between pre-engineered metal framing.

## 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.

**Thermally Efficient:** provides effective resistance to heat transfer with R-values up to R-22 (RSI-3.9).

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

**Fire Resistant and Noncombustible:** (see Specification Compliance).

**Non-corrosive:** does not accelerate corrosion of pipes, wiring or metal studs.

**Durable:** will not rot, mildew or otherwise deteriorate.

**Resilient:** bonded glass fibres 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



### Contains 50% Recycled Bottle Glass

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.

**APPLICABLE STANDARDS & BUILDING CODE CLASSIFICATION**
**UMBI INSULATION**

Standard for Mineral Fibre Thermal Insulation for Buildings: CAN/ULC-S702-09

Surface Burning Characteristics, Flame Spread 25 or less, Smoke Developed 50 or less: CAN/ULC-S102

Smoulder Resistance: ULC-S129

Noncombustible: CAN4-S114-M80

**STANDARD SIZES\***

RSI-VALUE (Pre-Lamination) (m <sup>2</sup> •°C/Watts)	R-VALUE (Pre-Lamination) (hr•ft <sup>2</sup> •°F/Btu)	THICKNESS (Pre-Lamination)		RSI-VALUE (Post-Lamination) (m <sup>2</sup> •°C/Watts)	R-VALUE (Post-Lamination) (hr•ft <sup>2</sup> •°F/Btu)	THICKNESS (Post-Lamination)		ROLL WIDTH		ROLL LENGTH	
		(mm)	(in)			(mm)	(in)	(m)	(in)	(m)	(ft)
1.5	8.6	66	2.6	1.2	7	48	1.9	1.22	48	33.5	110
2.1	12	91	3.6	1.8	10	70	2.75	1.22	48	24.4	80
2.8	15.9	119	4.7	2.5	14	99	3.9	1.22	48	17.1	56

\* Consult your local sales representative for other available sizes and R-values (RSI-values).

