



**UMBI** is a highly resilient flexible insulation blanket with excellent thermal and acoustical properties. UMBI is supplied in R-Values to meet most energy conservation requirements and in widths to meet most building criteria. It is intended to be laminated on one side with suitable facing.

### USES

UMBI is used as primary insulation in exterior walls and standing seam roofing systems of pre-engineered metal buildings. It provides thermal, acoustical and condensation control in roofs and sidewalls.

### AVAILABILITY

Manufactured dimensions are listed below. Please check with your market manager for information on other widths, lengths, and thicknesses.

R-VALUE	THICKNESS		WIDTH		ROLL LENGTH	
8	2 7/8"	73 mm	36"	914 mm	125'	38.1 m
10	3 1/2"	89 mm			100'	30.5 m
12	4 3/8"	111 mm	48"	1219 mm	75'	22.9 m
13	4 1/2"	114 mm	60"	1524 mm	75'	22.9 m
16	5"	127 mm			40'	12.2 m
19	6"	152 mm	72"	1829 mm	30'	9.1 m
20	7 1/4"	184 mm			30'	9.1 m

### PRODUCT FEATURES

**WATER ABSORPTION**  
(ASTM C1104) Less than 1% by volume

**CORROSION RESISTANCE**  
(ASTM C665) Will not cause or accelerate corrosion

**BACTERIA FUNGI RESISTANCE**  
(ASTM 665) Does not breed or promote growth

**ODOUR EMISSION**  
(ASTM C1304) Absence of any detectable odour

**MOISTURE VAPOUR TRANSMISSION (FACING)** (ASTM E96, Method A)  
Specific permeance requirements shall be determined by the designer based on the requirements of the conditioned space

CONTRACTOR:

JOB NAME:

DATE:

#### Manson Insulation Inc.

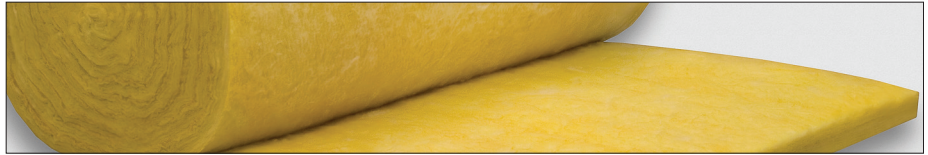
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# UMBI

## Unfaced Metal Building Insulation

Temperature Limit: 450°F (232°C)



### SPECIFICATION COMPLIANCE

#### FIRE HAZARD CLASSIFICATION

(CAN/ULC-S102M, UL 723, ASTM E84, NFPA 255)

Flame Spread not exceeding 25 and Smoke Developed not exceeding 50

#### ASTM C991

Exceeds the requirements of ASTM C991 for Flexible Glass Fibre Insulation

### INSTALLATION

Metal Building Insulation should be installed as per the recommendations and procedures outlined in NAIMA (North American Insulation Manufacturers Association) publication No. MB 304 "ASHRAE 90.1 Compliance for Metal Buildings".

*Manson Insulation Inc. has no control over installation design, installation workmanship, accessory materials, or conditions of application. Manson does not warrant the performance or results of any installation containing their products. This warranty disclaimer includes all implied warranties, including the warranties of merchantability and fitness for a particular purpose.*



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