



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	RSI	THICKNESS		WIDTH	ROLL LENGTH	
R-10	1.7	3"	76 mm	48" or 72" 1219 mm or 1829 mm	100'	30.5 m
R-12	2.1	3½"	89 mm		100'	30.5 m
R-14	2.5	4¼"	108 mm		75'	22.86 m
R-20	3.5	6"	152 mm		50'	15.24 m

R-VALUE (ASTM C 518) @ 23°C MEAN TEMPERATURE

PRODUCT FEATURES

WATER ABSORPTION

(ASTM C 1104) Less than : 2% by volume
5% by weight

CORROSION RESISTANCE

(ASTM C 665) Does not accelerate corrosion on steel, copper or aluminum.

SURFACE BURNING CHARACTERISTICS

When tested in accordance with ASTM E 84, NFPA 255 and CAN/ULC S102-M88, does not exceed: 25 Flame Spread
50 Smoke Developed

RESISTANCE TO MICROBIAL GROWTH

(ASTM C 1338) Does not promote microbial growth

ODOUR EMISSION

(ASTM C 1304) Absence of any detectable odour

TEMPERATURE RESISTANCE

(ASTM C 411) The unfaced blanket will not deteriorate up to 350°F / 176°C.

CONTRACTOR:

JOB NAME:

DATE:

UMBI

Unfaced Metal Building Insulation
 Temperature Limit: 350°F (176°C)



SPECIFICATION COMPLIANCE

Canada:

- HH-I-558C Form B, Class 6
- ASTM C 553 Type I, II
- ASTM C 991 Type I
- ASTM E-136
- CAN/ULC S702-97 Type I

Sound Absorption Coefficients (ASTM C 423, Type A Mounting)

Thickness	1/3 Octave Band Center Frequency (cycles/sec.)						NRC
	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	
76 mm - 3 1/2"	0.36	0.76	1.04	0.94	.98	1.00	0.95
152 mm - 6"	1.18	1.36	1.02	1.02	1.12	1.07	1.15

NOTES

The chemical physical properties of Manson UMBI represent typical average values determined in accordance with accepted test methods. The data is subject to normal manufacturing and testing variations. The data is supplied as a technical service and is subject to change without notice.

References to numerical flame spread ratings are not intended to reflect hazards presented by these or any other materials under actual fire conditions.

Check with your Manson sales representative to assure information is current.

FIBER GLASS AND MOLD

Fiber glass insulation will not sustain mold growth. However, mold can grow on almost any material when it becomes wet and contaminated with organic materials. Carefully inspect any insulation that has been exposed to water. If it shows any sign of mold, it must be discarded. If the material is wet but shows no evidence of mold, it should be dried rapidly and thoroughly. If it shows signs of facing degradation from wetting, it should be replaced.

Air handling insulation used in the air stream must be discarded if exposed to water.

INSTALLATION PROCEDURES

Manson UMBI is usually applied in accordance with the procedure in the publication "Commercial & Industrial Standards" by the National Insulation Association

Manson Insulation products LTD. 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.

