



AK BLANKET insulation is an amber blanket of glass fibers bonded with a thermosetting resin.

APPLICATIONS

Manson AK BLANKET insulation products are used as thermal and/or accoustical insulation in the appliance, equipment, industrial, commercial and marine markets.

AVAILABILITY

Manufactured dimensions are listed in the Manson Insulation product catalog.

PACKAGING

AK Blanket insulation products are rolled using a tight wound single compression method and wrapped in poly sheets and unitized in bundles of 4 rolls.

SPECIFICATION COMPLIANCE

ASTM C 553

- Type I
- Type II

PRODUCT FEATURES

Water Vapor Sorption (ASTM C 1104)

- Less than 3% by weight when exposed to air at 120°F (49°C) and 95% humidity for 96 hours

Microbial Growth (ASTM C1338)

- Does not promote or support the growth of mold, fungi or bacteria

Surface Burning Characteristics

- UL/ULC Classified
- Does not exceed 25 Flame Spread, 50 smoke
- Developed when tested in accordance with UL 723, ASTM E84

Odor (ASTM C 1304)

- Not objectionable

Maximum service temperature (ASTM C 411)

- Unfaced, up to 350°F (177°C)

CONTRACTOR:

JOB NAME:

DATE:

AK BLANKET

Glass Mineral Wool Blanket Insulation
Temperature Limit: 650°F (343°C)



Sound Absorption Coefficients (ASTM C423, Type A Mounting)

Type	Thickness	1/3 Octave Band Center Frequency (cycles/sec.)						NRC
		125	250	500	1000	2000	4000	
1.5 PCF (24 kg/m ³)	1" (25mm)	0.03	0.28	0.56	0.82	0.90	0.94	0.65
	2" (51mm)	0.38	0.89	1.08	1.14	1.11	1.08	1.05

THERMAL CONDUCTIVITY (ASTM C 518 @ 75°F Mean Temperature)

DENSITY	THERMAL CONDUCTIVITY	
	BTU-in ft ³ °F	m ² . °C/W
1.5 PCF (24 kg/m ³)	0.24	0.035

GLASS MINERAL WOOL AND MOLD

Glass mineral wool 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.

NOTES:

The chemical and physical properties of Manson AK Blanket represent typical average values determined in accordance with accepted test methods. The data is subject to normal 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 material under actual fire conditions.

Check with your Manson Insulation Products Territory Manager to assure information is current.