

MANSON INSULATION

June 1, 2018

Subject: Manson Alley-K Pipe Insulation w/ ECOSE® Technology

Effective with production after July 1, 2018, Manson Insulation will discontinue the use of phenol formaldehyde binder in pipe, board, and high temperature insulation material, and replace it with ECOSE technology, a bio based binder. It is conceivable that shipments of both the formaldehyde based product and the bio based product may arrive to warehouses and jobsites on the same truck. These products are fully compatible when used in the same piping or duct run, including butted directly against each other.

The transition to ECOSE technology did not change the compliance of Manson Insulation products, which still meet the following requirements:

Manson Alley K Pipe Insulation	Manson AK Board
ASTM C 547 Type I	ASTM C612 (Type I,II)
CGSB 51-GP-9M	<ul style="list-style-type: none"> Type IA (1.6, 2.25, 3.0, 4.25, 6.0 PCF) (26, 36, 48, 68, 96 kg/m³)
Use Temperature (ASTM C411)	<ul style="list-style-type: none"> Type IB (3.0, 4.25, 6.0 PCF) (48, 68, 96 kg/m³)
Sag Resistance	ASTM C1136 (facings); Type II, IV (FSK), Type I, II (ASJ)
Linear Shrinkage (ASTM C356)	CGSM 51-GP-10M
Non-Combustibility	Use Temperature (ASTM C411)
Water Vapor Sorption	Water Vapor Sorption
Thermal Conductivity (ASTM C335)	Thermal Conductivity (ASTM C177)
Surface Burning Characteristics	Surface Burning Characteristics

Manson Insulation are UL Classified with Flame Spread 25 and Smoke Developed 50 when tested per UL 723, ASTM E 84, NFPA 255, and CAN/ULC S102.

Manson Insulation products are tested per all industry standards and meet or exceed applicable requirements. Manson Insulation products are viewed as equal the fiber glass insulation produced by Owens Corning and Johns Manville when a maximum use temperature of 1000°F (538°C) or below is specified (450°F on Insulation Board).

If you need any further information, please do not hesitate to contact me.

Sincerely,



Scott Stillabower
Manager, Technical Support



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