

Style MMMICROPOR: Microporous Blankets

Microporous, Hydrophobic Insulation

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McAllister Mills Microporous Insulation: Trust McAllister Mills microporous insulation to continue “performing to specification” after multiple heat cycles. Unlike many other microporous and aerogel products, Micropor™ from McAllister Mills does not break down after just one thermal cycle and lose performance. This “thermal shift” common in other aerogel type products is permanent and does not have the safety assurance of repeat cycling at the same level of thermal insulation you get from Micropor™. Low thermal conductivity to the extreme up to 1200°F! Let the experts at McAllister Mills design and fabricate your insulation jacket, thermal pad, or heatshield.

Applications include: Engine and exhaust heatshields, power generation, fluid storage, marine, electric heat trace removable covers, and many other tight clearance applications

THERMAL CONDUCTIVITY (BTU.IN/FT² F) HR:

200°F: 0.18 Flat

400°F: 0.20 Flat

600°F: 0.23 Flat

800°F: 0.26 Flat

SPECIFICATION CONFORMANCE

ASTM E84 Flame and Smoke: 0

ASTM Water Retention 600F 24 hr Soak: <5%

ASTM Shrinkage % at 1200°F: <2%

ASTM Hot Surface Performance at 1200°F: Pass

ASTM C665/C795/C871/C692 Steel and SS Corrosion: Pass



Constructions

1. 5mm and 10 mm thickness.
2. Laminated or encapsulated in dimpled aluminum foil.
3. Laminated or encapsulated in reinforced mylar/foil facings.
4. High temperature uncoated & coated textile fabric encapsulation.
5. Mechanical attachment options such as grommets, rivets, etc. also available.
6. Custom textile composite build-ups that maximize thermal performance.

