



Fibramat™, non-hazardous, non-woven alternative to Fiberglass

General Specifications for Fibramat™:

- Common Thickness Range (inches) .25 – 3.5
- UL Recognized Density Range (lb/cf) .76 – 3.0
- Maximum Continuous Use Temperature 180° F, ASTM C 411
- Maximum Continuous Use Temperature High Temperature Fibramat 350° F, ASTM C 411

Thermal Resistance Examples, ASTM C518 (R-Value typical results):

2" thick, 1 lb/ft³ — 6.2 ft².hr.° F/Btu

1.25" thick, 1.1 lb/ft³ — 3.85 ft².hr.° F/Btu

1" thick, 1 lb/ft³ — 3.3 ft².hr.° F/Btu

0.5" thick, 1 lb/ft³ — 1.5 ft².hr.° F/Btu

Fabrication Capabilities for Fibramat:

- Die Cutting
- Die-less cutting
- Kiss Cutting
- Hinge Cutting, Slitting
- Pressure Sensitive Adhesive Coating/Application
- Composite Lamination
- Facings and Backings
- Thermoforming
- Ultrasonic Welding

Material Comparisons:

Fibramat™

Fiberglass



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- 100% recyclable
- Excellent acoustical properties
- Excellent resilience
- Excellent thermal properties
- Excellent anti-fogging properties
- Excellent dimensional stability
- Excellent abrasion resistance
- Non-absorbent
- Hypoallergenic
- Bacteria and mildew resistant
- No noticeable odor
- Can cause skin irritation
- Respiratory irritant
- Non-recyclable
- Contains formaldehyde binders
- Poor abrasion resistance
- Fair acoustical properties
- Harbors bacteria
- Poor resilience and stretch
- Retains water and odor
- Requires safety labeling