



ReCore®

Environmentally Friendly Multi-Purpose Insulation



1. PRODUCT NAME

ReCore®

2. DISTRIBUTOR

Fabricmate Systems, Inc.
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3. PRODUCT DESCRIPTION

Basic use: ReCore® is a white, polyester fiber insulation used for acoustical control, to provide a high-impact tackable panel, or wall surface, and for thermal insulation.

Benefits: ReCore® is a lightweight, durable, semi-rigid substrate. It is impact resistant and tackable. It is fabricated from 100% polyester with no irritating fibers and it is free of volatile organic compounds (VOCs) including formaldehyde. It resists bacteria and fungal growth, is non-toxic and non-allergenic. It will not rot, deteriorate, or change color over time. The product can be easily fabricated on the job site using standard tools.

Composition & Materials: ReCore® is manufactured from 100% Polyester fibers thermo-bonded together to achieve the desired thickness and density. ReCore® has a 60% post consumer content (recycled plastic beverage containers.) ReCore® is itself 100% recyclable or alternatively it can be safely destroyed by incineration.

Sizes: ReCore® is available in a variety of thicknesses from 1/4" to 2" and in both quarter and full (48"x96" & 24"x48") sheets. It is available in all white or black faced white.

Densities: ReCore® is available in:

- 1/4" - 10 pcf & 6 pcf
- 3/8" - 10 pcf
- 1/2" - 9.4 pcf, & 4.5 pcf
- 3/4" - 6.0 pcf
- 7/8" - 6.0 pcf
- 1" - 6.0 pcf, & 3.0 pcf
- 2" - 6.0 pcf, & 3.0 pcf

4. TECHNICAL DATA

Applicable Standards:

- BOCA, ICBO, SBCCI, CABO, ICC

Fire Resistance:

- ASTM E84, UBC 8-1, ANSI/NFPA 101
Maximum Flame Spread Index
1/4" - 15, 1" - 10, 2" - 5
Maximum Smoke Developed Index
1/4" - 200, 1" - 180, 2" - 160

Physical/Chemical Properties

- Acoustical Performance
ASTM C423 (see table)
- Thermal Performance ASTM C518
1/4" - 2.10, 1" - 3.59, 2" - 4.10
- Water Vapor Sorption
<0.4% by weight - Non-hygroscopic
- Weather Resistance
No change in appearance

- ATM C 1338-08 Standard Test Method for determining fungi resistance of insulation materials and facings. Passed with no fungal growth found on all replicates at 40x magnification after 4 weeks of incubation.

5. INSTALLATION

ReCore® Multi-Purpose Insulation is applied directly to drywall, concrete, CMU, or other ASTM E 84, Class A material. ReCore® can be cut and installed using standard tools.

ReCore® can also be used as a component of pre-made acoustical and tackable panels, modular panel systems, as well as ceiling tiles, baffles, clouds, diffusers, and as flooring underlayment.

6. AVAILABILITY AND COST

ReCore® is sold worldwide. For availability and cost contact your local contractor, Fabricmate Systems dealer, or contact Fabricmate Systems directly at (866)622-2996 or via e-mail at fmsales@fabricmate.com

| ACOUSTICAL & THERMAL PERFORMANCE | | | | | | | | | |
|----------------------------------|-----------|-----|--|------|------|------|------|------|------|
| PRODUCT | | | ABSORPTION COEFFICIENTS @ OCTAVE BAND CENTER FREQUENCIES | | | | | | NRC |
| Density | Thickness | | 125 | 250 | 500 | 1000 | 2000 | 4000 | |
| | in. | mm. | | | | | | | |
| 9.4 pcf | 1/2 | 13 | 0.00 | 0.05 | 0.32 | 0.70 | 0.93 | 1.01 | 0.50 |
| 6.0 pcf | 1 | 25 | 0.09 | 0.23 | 0.69 | 1.01 | 1.09 | 1.06 | 0.70 |
| 6.0 pcf | 2 | 50 | 0.14 | 0.69 | 0.95 | 1.02 | 0.97 | 0.98 | 0.90 |