



ReCore®

Environmentally Friendly Multi-Purpose Insulation



1. PRODUCT NAME

ReCore®

2. DISTRIBUTOR

Fabricmate Systems, Inc.
 4350 Transport Street, Suite 101
 Ventura, CA 93003-5647
 Phone: (805)642-7470
 (866)622-2996
 Fax: (805)642-3154
 www.fabricmate.com

3. PRODUCT DESCRIPTION

Basic Use: ReCore® is a white, polyester fiber insulation used for acoustical control, and to provide a high-impact tackable panel or wall surface in commercial, institutional, and educational applications.

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 bacterial 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 and treated with a flame retardant material. ReCore® has a 65% post consumer content (recycled plastic beverage

containers). ReCore® is itself 100% recyclable or alternatively it can be safely destroyed by incineration.

Limitations: ReCore® should be kept clean and dry at all times.

Sizes: ReCore® is available in ½" and 1" thickness in both quarter (24" x 48") and full (48" x 96") sheets. Available in all white or black faced white.

Densities: ReCore® is available in: ½" - 9.4 pcf
 1" - 7.5 pcf, 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
 ½" - 15, 1" - 10
 Maximum Smoke Developed Index
 ½" - 200, 1" - 180

Physical/Chemical Properties:

- Acoustical Performance
 ASTM C423 (see table)
- Thermal Performance ASTM C518
 ½" - 2.10, 1" - 3.59

- Water Vapor Sorption
 < 0.4% by weight
- Weather Resistance
 No change in appearance

6. INSTALLATION

ReCore® Multi-Purpose Insulation is applied directly to dywall, concrete, CMU, or other ASTM E 84, Class 1 or 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, and diffusers.

7. 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 PERFORMANCE									
PRODUCT			ABSORPTION COEFFICIENTS						NRC
Type	Thickness		@ OCTAVE BAND CENTER FREQUENCIES						
	in.	mm.	125	250	500	1000	2000	4000	
W1	½	13	0.03	0.1	0.6	0.65	0.88	1.05	0.50
	1	25	0.15	0.28	0.66	1.02	1.03	0.91	0.80