



Marlite Symmetrix™ with Sani-Coat FRP Class “III/C” Wall Panels

Product

Symmetrix scored Fiberglass Reinforced Plastic (FRP) Wall Panels with Sani-Coat provide the same visual appearance as ceramic tile at minimal cost and without the installation and maintenance difficulties. A unique coating process gives Symmetrix excellent durability and sanitary qualities.

Features & Attributes

- Multi-layer technology, including Marlite’s Sani-Coat Sealer, creates the look of ceramic tile while resisting staining and scratching.
- Coated grooves protect against mold and mildew growth, staining, cracking and discoloration, won’t deteriorate like ceramic tile grout lines, and are easy to clean.
- Fiberglass core provides outstanding impact resistance.
- Panels are quick and easy to install and can be simply wiped clean.

Applications & Uses

Marlite Symmetrix FRP is ideal for use in kitchens, restrooms, laundries, laboratories and many other service areas in restaurants, supermarkets, convenience stores, hotels and motels, schools, health care facilities, day care centers, theatres and recreation facilities.

Product Identification

SYMMETRIX™ w/Sani-Coat				Smoke Developed <450
Standard Stock Items	Available Sizes	Harmonizing Molding	Suggested Adhesive / Sealant	Packaging & Weight
Classic Colors	4' x 8'		C375 or C551 / MS251	32 sq ft / 20# per pc
SYM C100-G44 White *		PVC P100		
SYM C100-G66 White		PVC P100		
SYM C118-G44 Almond *		PVC P118		
SYM C140-G44 Ivory		PVC P140		
SYM C145-G44 Silver		PVC P145		
* also available in 4' x 10'				40 sq ft / 25# per pc
Accent Colors	4' x 8'	PVC P100 (to match scorelines)		32 sq ft / 20# per pc
SYM C105-G44 Black				
SYM C131-G44 Everglade				
SYM C133-G44 Periwinkle				
Subway Tile	4' x 8'	PVC P100		
SYM C100-G63 White				

Physical Properties

Property	ASTM Procedure	Symmetrix
		Accents
Flexural Strengths (psi)	D790	1.6 x 10 ⁴
Flexural Modulus (psi)	D790	1.0 x 10 ⁵
Tensile Strengths (psi)	D638	7.5 x 10 ³
Tensile Modulus (psi)	D638	1.7 x 10 ⁶
Barcol Hardness	D2583	50
Izod Impact Strengths (ft #/in)	D256	13
Thermal Coefficient Of Lineal Expansion (in/in/F)	D696	1.6 x 10 ⁻⁵
Water Absorption (%)	D570	.15
Specific Gravity	D792	1.8
Fire Ratings	E-84	Class 111/C
Flame Spread		<200
Smoke Generation		<450

Panel Specifications

- Marlite Symmetrix™ FRP Panels are manufactured using a homogenous mixture of calcium carbonate, fiberglass and resin with a water-base acrylic top coat.
- Panels shall have a smooth surface with scores front side. Panel color shall be per specification. Panel backside is smooth and may possess slight imperfections that do not adversely affect performance or physical properties and are not cause for rejection.
- Panel quality standards are (complies with ASTM D5319):
 - Panel thickness:** .090" +/- 10%
 - Width:** 47-7/8" +/- 1/8"
 - Length:** specified length +/- 1/8"
 - Squareness:** not to exceed 1/8" for 8' panels or 5/32" for 10' panels
- Panels shall be installed in strict accordance with Marlite Symmetrix™ FRP Installation Instructions.

Approvals & Certifications

- Class III/C Fire Ratings per ASTM E-84 flame spread and smoke development tests
- Meets USDA/FSIS requirements
- Mold & Mildew Resistant per ASTM D3273-94 and D3274-95 tests

Storage & Preparation

Carefully inspect all panels prior to installation. Notify Marlite at once if panels are deemed unacceptable. Marlite Symmetrix™ FRP Panels should be stored indoors on a flat, clean, dry surface for at least 24 hours prior to installation. Room and material (panels and adhesive) temperature should both be at or near 70°F at the time of installation. Marlite Symmetrix™ FRP is intended to be installed over unfinished, untreated plywood or unfinished, untreated drywall. Contact Marlite prior to installing over other substrates.

Installation Overview

Safety – use eye protection. Wear filter mask to cover nose and mouth, especially when cutting panels.

Tools Required – power saw (carbide tip), or saber saw (metal cutting blade), caulking gun, tape measurer, drill, file, hammer, six penny finishing nails, masking tape, saw horses and supports.

See Marlite Symmetrix™ FRP Installation Instructions for complete details.

Accessories

- Marlite PVC Trim Molding with integral, matching colors, 8' & 10' lengths.
- Marlite Stainless Steel and PVC Outside Corner Guards with integral, matching colors, 8' & 10' lengths.
- Marlite PVC Base Molding, 10' lengths.
- C-551 Marlite FRP Adhesive or C-915 Marlite Construction Adhesive
- MS-250 Clear & MS-251 White Marlite Silicone Sealant

Serviceable Temperature Range

Marlite Symmetrix™ FRP Panels shall maintain its performance characteristics and physical properties in temperatures ranging from -40°F to 130°F. Marlite FRP may discolor near heat sources – such as ovens, fryers, heat lamps and toasters – where temperatures exceed 130°F.

Symmetrix™ with Sani-Coat Coated Groove Advantage

Marlite's innovative Sani-Coat topcoat seals the groove of each Symmetrix™ FRP Panel, offering several advantages over ceramic tile grout lines including resistance to mold and mildew, ease of cleaning and outstanding stain resistance. The panel face and groove will not crack like ceramic tile.

Cleaning Guidelines

When a regular cleaning schedule is executed, soil and dirt will not build up. A mild, non-abrasive cleaner is effective.

For Additional Information, see:

www.marlite.com

Marlite FRP Panels Color Brochure

Symmetrix™ FRP CSI Specifications

Symmetrix™ Installation Instructions

Symmetrix™ FRP Cleaning Instructions



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