



Marlite Digitally Printed Artizan™ FRP Panels w/ BlueSky™ Advanced Finishing ... Technical Data 2017

Product

Artizan Fiberglass Reinforced Polyester (FRP) Panels feature revolutionary BlueSky Advanced Finishing that employs high resolution digital imaging with controlled, low-temperature in-line curing, water-based UV-cure coatings and VOC-free UV-cure inks. Artizan FRP Panels feature faux woodgrain, brick, stone, cement or other designs replicating real materials or abstract prints. Panels also feature photographs, illustrations, logos and vector graphics. The BlueSky Advanced Finishing process produces optimal graphic reproduction on a tough, sanitary surface.

Features & Attributes

- Replaces bland walls with exciting ambience.
- Resists impact, stains, bacteria, mold and mildew and won't crack.
- Costs less installed than most HPL, vinyl or natural materials.
- Wipes clean easily with standard cleaning solutions.

Applications & Uses

Healthcare Facilities	Dining Rooms
Schools & Universities	Patient Rooms
Restaurants	Fitness Areas
Hotels & Casinos	Kitchens
Houses of Worship	Restrooms
Transportation Terminals	Merchandising Displays
Office & Residential Buildings	Service Counters
Fitness Centers & Spas	Hallways & Corridors
Grocery, Convenience & Drug Stores	Lobbies
Sports Arenas	Lounges

Physical Properties

Property	ASTM Procedure	Typical Value
Flexural Strength (psi)	D790	1.7 x 10 ⁴
Flexural Modulus (psi)	D790	6.0 x 10 ⁵
Tensile Strength (psi)	D638	8.0 x 10 ³
Tensile Modulus (psi)	D638	9.43 x 10 ³
Barcol Hardness	D2583	22
Izod Impact Strength	D256	7.0
Thermal Coefficient of Lineal Expansion (in/in/F)	D696	1.6 x 10 ⁻⁵
Water Absorption (%)	D570	.17
Specific Gravity	D792	1.53
Cross-cut Adhesion	D3359	0 removed
Adhesion	D2197	10 Kg+
Mold & Mildew	D3273	pass

Panel Specifications

1. Marlite FRP Panels are manufactured using a homogenous mixture of calcium carbonate, fiberglass and resin.
2. Panels shall have a smooth texture 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.
3. Panel quality standards are:
Panel thickness: .090" +/- 10%
Width: 48" +/- 1/8"
Length: specified length +/- 1/8"
Diagonals: not to exceed 1/8" for 8' panels or 5/32" for 10' panels
4. Panels shall be installed in strict accordance with Marlite FRP Installation Instructions.

Approvals & Certifications

- Class III/C Fire Ratings per ASTM E-84 flame spread and smoke development tests
- Class I/A Fire Ratings per ASTM E-84 flame spread and smoke development tests
- ASTM D3273-16 Resistant to Mold Growth
- Meets USDA/FSIS requirements

Storage & Preparation

Carefully inspect all panels prior to installation. Notify Marlite at once if panels are deemed unacceptable. Marlite 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 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), saber saw (metal cutting blade), caulking gun, tape measure, drill, file, hammer, level, saw horses and supports.

See Marlite FRP Installation Instructions for complete details.

Accessories

- Marlite PVC Trim Molding with integral, matching colors, 8' & 10' lengths.
- Marlite Aluminum Trim Molding with integral, matching colors, 8' lengths.
- Color matching silicone sealant, 10oz cartridges.
- Marlite Stainless Steel and PVC Outside Corner Guards, 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 Artizan FRP are intended for indoor use only. Marlite FRP may discolor near heat sources – such as ovens, fryers, heat lamps and toasters.

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 Brochure

Marlite BlueSky Advanced Finishing Brochure

CSI Specifications – Decorative FRP Panels

Marlite FRP Installation Instructions

Marlite FRP Cleaning Instructions

Marlite

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