Marlite®

Designer Wall Systems

Innovative FRP Panels

Secondary Space Solutions. Second to none.

FRP

Secondary Space Solutions

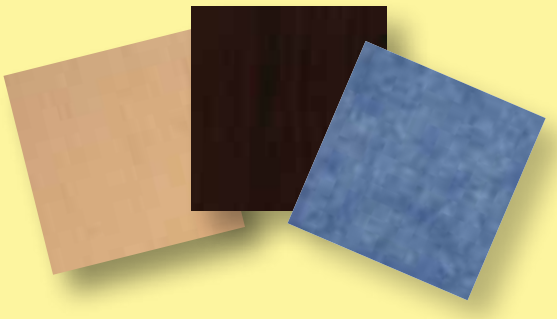
Once considered bland and boring, Marlite now offers the industry's most innovative FRP products.

Marlite FRP (fiberglass reinforced plastic) Wall Panels provide ultimate durability, satisfying the most stringent demands.

Marlite FRP is tough, water-resistant, economical to install and easy to maintain.

Only Marlite allows you to design beautiful, affordable interiors for high wear spaces. Once limited to kitchens and restrooms, these products allow you to enhance classrooms, hospital rooms, waiting rooms, offices, hallways, corridors, dining rooms and recreational areas…virtually any space within commercial interiors.

INDURO™ FRP

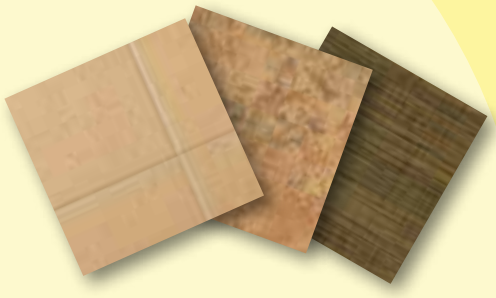


Induro FRP – provides impressive durability in a wide array of attractive laminate finishes.

ENVUE™ FRP

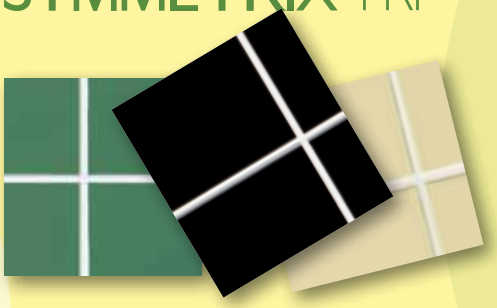
Envue FRP – dramatic photo or graphic mural walls.

ARTIZAN™ FRP



Artizan FRP – unique surface technology offers unlimited varieties of exceptional woodgrain and abstract patterns.

SYMMETRIX™ FRP



Symmetrix FRP – precision grid scorelines provide the look of tile without the installation and maintenance problems.

STANDARD FRP

Standard FRP – classic colors on smooth or pebble textured surfaces.

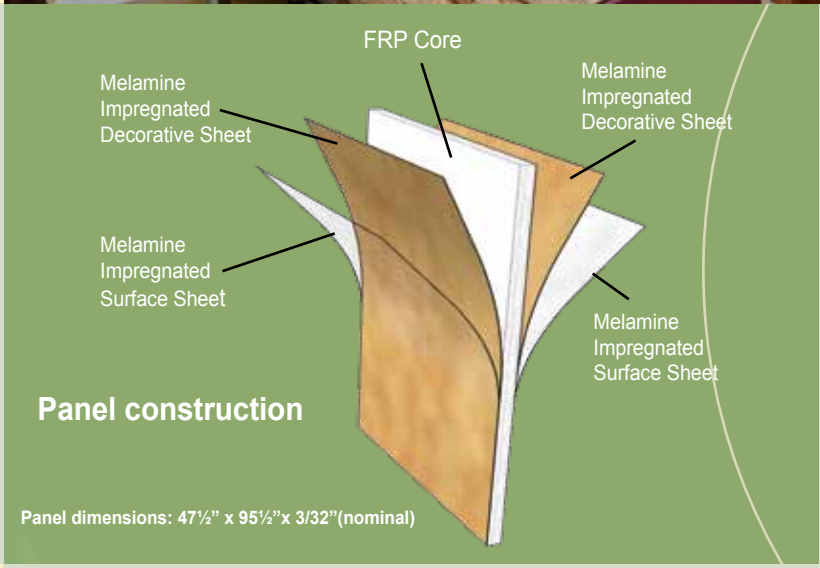
INDURO™ FRP

with SaniSEAL™ Trim Technology

Marlite's Induro Decorative Laminate FRP is an exceptionally wear resistant panel created through an exclusive process of thermally bonding melamine impregnated surfacing materials directly to the FRP core. Designed to match and coordinate with popular High Pressure Laminates (HPL), the panels are available in a superb array of woodgrains, solid colors and abstract prints.

Induro Decorative Laminate FRP:

- Offers the same outstanding durability as HPL.
- Possesses the same impact and moisture resistant properties as FRP.
- Is available in Class "A" and Class "C" fire-ratings.
- Is balanced and usable either side for greater flexibility.
- Coordinates beautifully with HPL table tops and case goods.
- Is the easiest, most affordable way of applying laminate to walls



Panel construction

Panel dimensions: 47½" x 95½"x 3/32"(nominal)

Available in laminate finishes from:

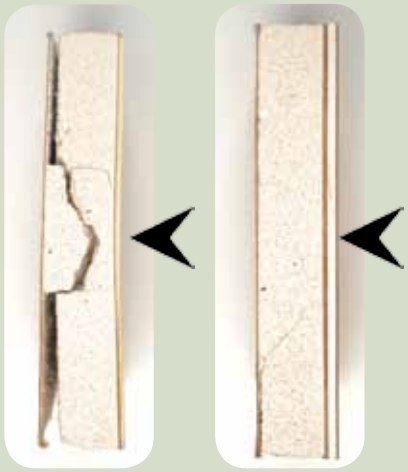
WILSONART INTERNATIONAL

Pionite®

ARBORITE

NEVAMAR DECORATIVE SURFACES

Impact Test
ASTM D5420-04 I
product on 1/2" Drywall



Rigid plastic wall panel- hidden failure of subwall

Induro™ FRP wall panel - nominal damage to subwall

Woodgrains

7925
Monticello Maple

7061
Natural Pear

7922
Brighton Walnut

7924
Biltmore Cherry

FP610
Hard Rock Maple

7939
Blonde Echo

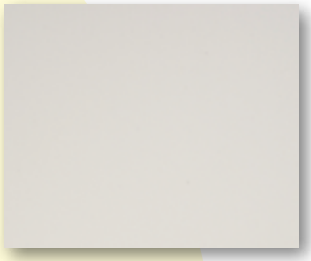
Abstracts

FP610
Graphic Spectrum

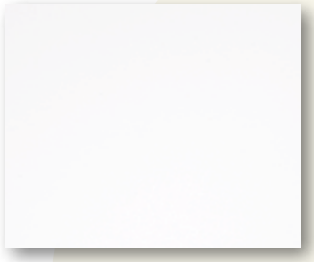
4143
Neutral Glace

4746
Woolamai Brush

4893
Tumbled Mosaic



D381
Fashion Gray

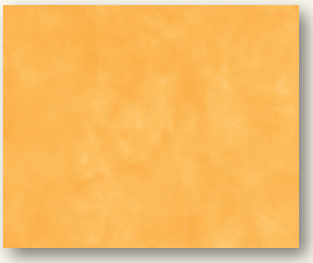


D354
Designer White

4810
Titanium

4873
Western Bronze

4878
Pewter Mesh



4745
Maroochy Brush

Actual product will vary. Please contact us for samples. Sixteen (16) standard finishes available to ship within four weeks.

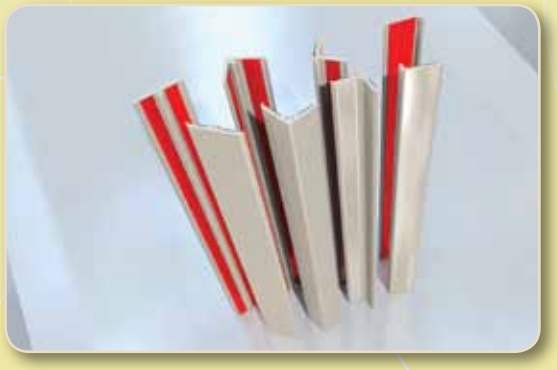
Other finishes: Minimums and lead times apply.

SaniSEAL™ by Marlite

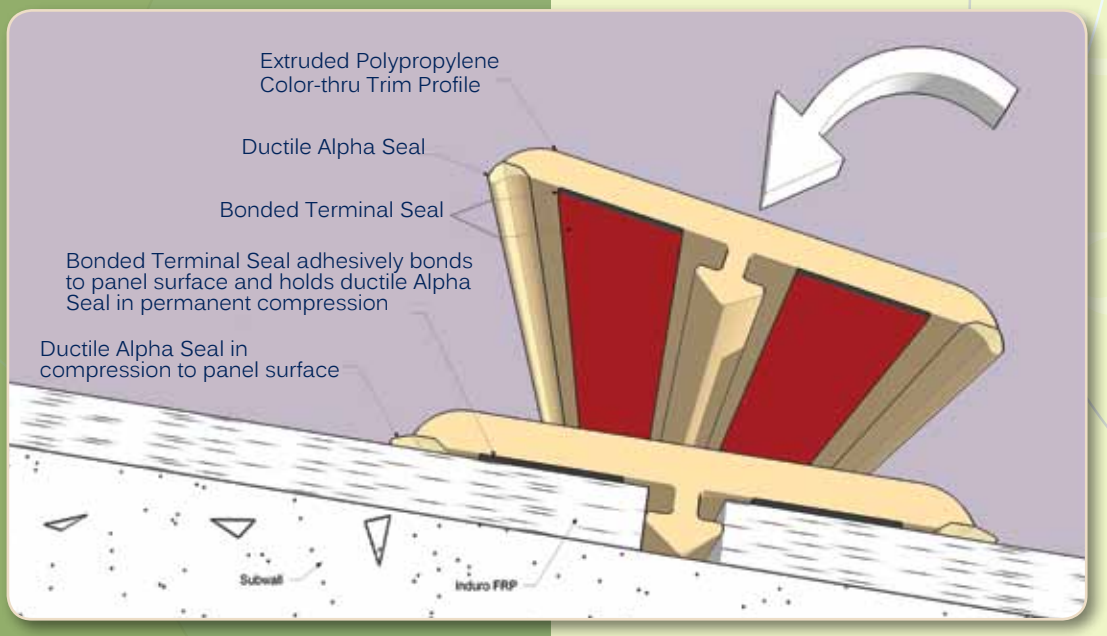
SaniSEAL™ Dual Seal Design

Patent-Pending Dual Seal Technology seals trim-to-panel contact points, markedly reducing potential for penetrating moisture, bacteria, mold, and viruses.

The functionally seamless trim harmonizes with the laminate of choice and does not contain PVC, ABS or BPA compounds.

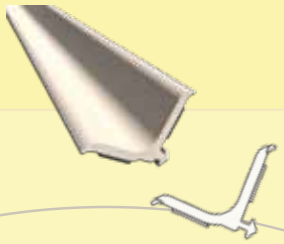


Seals trim-to-panel contact points



SaniSEAL™ Trim Molding

Harmonizing color through extruded molding.
Length: 10’ unless otherwise noted. Colors: Black, White, Umber, Tan, Slate



Inside Corner S650

Outside Corner S660

Edge S670

Division 665*
* 8 ft. length

Water Penetration Test

Water detection paper cut in two test strips.

Strips placed under Division trim & directly on panel.

Division trim & paper on panel are sprayed.

Water allowed to pool on panel.

Division trim is removed, revealing dry & white test strip.

SaniSEAL™ functionally seamless trim markedly reduces the potential for penetrating moisture, bacteria, mold, and viruses.

SaniSEAL™ Installation

FRP panels using SaniSEAL™ Trim Technology install like any standard panel using solvent-free and odorless water-based adhesives. SaniSEAL™ trim features an easy application method requiring no special skills or tools.

Simply apply Marlite Brand Adhesive to the back of any smooth panel an apply the panel to the subwall.

Use 10p nails for spacing between panels.

Remove nails, peel a few inches of release film from top of trim.

Press trim to panel, pulling remainder of release film moving down the wall.

Roll firmly to seal trim.

Finished Trim - functionally seamless.

For detailed information about installing SaniSEAL™, download the complete Installation Guide at www.marlite.com.

ENVUE™ FRP

Envue Graphic FRP provides impressive visuals of high-resolution photographs, illustrations, logos, tile designs and custom graphics, all protected by Marlite's tough Sani-Coat sealer. A special application process produces optimum graphic reproduction on a tough, sanitary surface.

Features

- Offers feature wall appeal for high wear spaces.
- Resists impact, stains, bacteria, mold and mildew, and won't crack.
- Costs less installed than custom-printed HPL and vinyl wall coverings.
- Wipes clean easily with standard cleaning solutions.
- Meets USDA/FSIS requirements.
- Available in Class III/C and Class I/A Fire-rating.
- Panel Dimensions - up to 4' x 10' x 3/32" (nominal).

Create with Ease

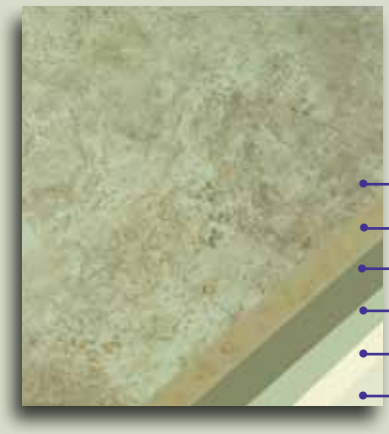
Simply submit digital high resolution art, and Marlite will provide a proof for client approval.

HUMMUS
A Mediterranean
Tradition
Focaccia Sticks
SQUARES SQUARES
Focaccia Sticks
Focaccia Sticks

Artizan special formula FRP uses unique technology for coating an unlimited array of decorative finishes – abstract patterns, faux woodgrains and custom designs. Printed gravure process creates exceptional image integrity, protected by our tough Sani-Coat sealer.

Features

- Replaces bland walls with exciting ambience.
- Resists impact, stains, bacteria, mold and mildew and won't crack.
- Costs less installed than most HPL or vinyl materials.
- Wipes clean easily with standard cleaning solutions.
- Meets USDA/FSIS requirements.
- Available in Class III/C and Class I/A Fire-rating.
- Panel Dimension 4' x 8' x 3/32" (nominal).



ARTIZAN™ FRP

Actual product will vary.
Please contact us for samples.

Faux Woodgrains

148 Monticello Anigre

715 Mahogany

925 Autumn Cherry

5408 Monterey Sand

310 Sierra Maple

5409 Townsend

5410 Sebring

5411 Rainier

Abstracts

194 Cody

192 Laramie

211 Grizel

209 Adara

♦181-G1212 Dusk

♦182-G1212 Oxide

♦5415-G88 Coronado

♦5416-G88 Catalina

Textured Abstracts

▼T-936-G44 Milan

▼T-938-G44 Tuscany

▼T-939-G44 Verona

♦T-5417-G88 Salerno

♦T-5413-G1212 Genoa

♦T-938-G88 Tuscany

♦T-939-G88 Verona

♦T-5412-G1212 Palermo

Custom Capabilities

Select from our full Marlite Finish Palette at **www.marlite.com** or create your own Artizan Finish. Simply submit a laminate chip or swatch of the print pattern/color desired, and we'll send a lab sample match in about a week. (Minimum order requirements and other terms apply.)

Actual product will vary. Please contact us for samples.

LEGEND:

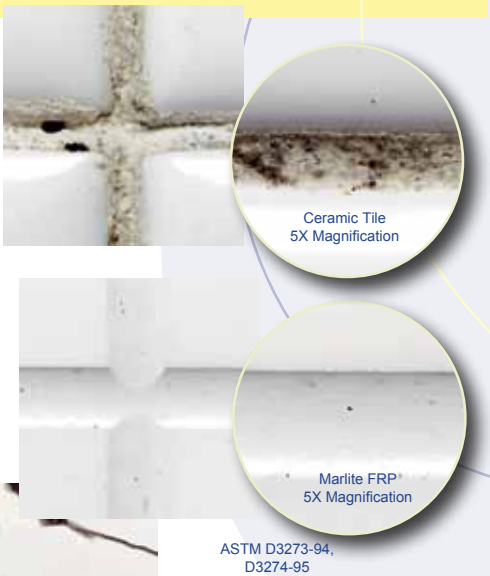
♦ Groove width: ¼" Brown Core
▼ Groove width: ⅛" White Core
T Textured Finish
G1212 - denotes 12x12 score
G88 - denotes 8x8 score
G44 - denotes 4x4 score

SYMMETRIX™ FRP

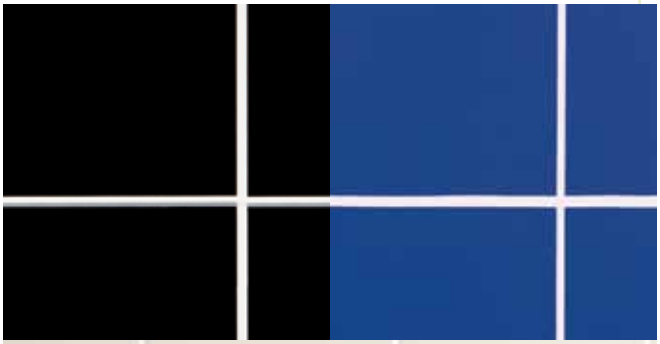
Symmetrix scored FRP Panels with Sani-Coat provides a superior visual appearance over ceramic tile at minimal cost, without the installation and maintenance difficulties. Choose from an array of colors, patterns and scoring options to create a multitude of designs.

Features

- Resists staining, scratching, mold and mildew and won't crack or deteriorate like ceramic tile grout lines.
- Provides outstanding impact resistance due to fiberglass core.
- Costs less installed than most ceramic tile.
- Wipes clean easily with standard cleaning solutions.
- Meets USDA/FSIS requirements.
- Available in Class III/C Fire-rating.
- Panel dimensions – 4' x 8' x 3/32" and 4' x 10' x 3/32" (select finishes).



ASTM D3273-94, D3274-95



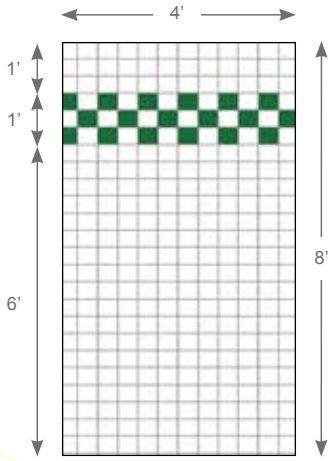
The Coated Groove Advantage

Marlite's innovative Sani-Coat topcoat seals the groove of each Symmetrix Panel offering several advantages over ceramic tile grout lines.

- Protects against mold and mildew growth.
- Is easy to clean, requiring no brushing or scrubbing.
- Won't deteriorate due to moisture or dirt.
- Possesses the same outstanding stain resistance as the panel face.
- Won't crack.

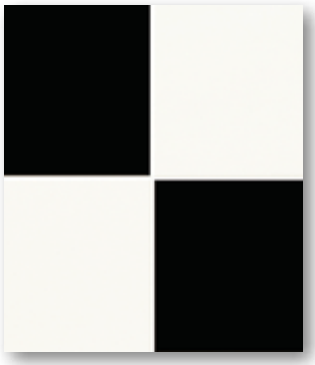
The fiberglass core helps give Marlite FRP Panels outstanding impact resistance.

SYMMETRIX™ FRP



Full panel Checkerboard, nominal sizes.
Other pattern configurations available.

Checkerboard



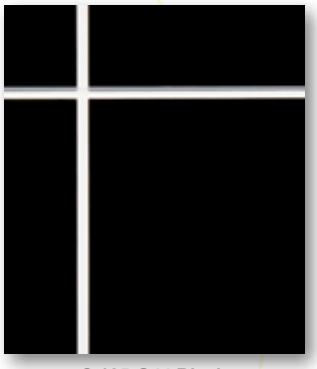
C 150-G44 White with Black
Other Colors Available

Subway Tile

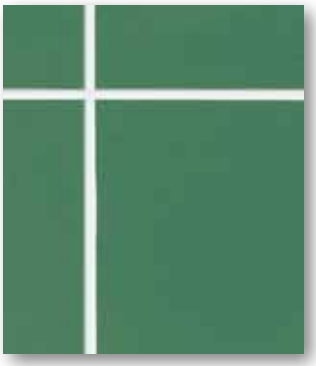
C 100-G63 White
Other Colors Avaialble

Accent Colors

Panel dimensions -
4’ x 8’ x 3/32” or
*4’ x 10’ x 3/32”.



C 105-G44 Black

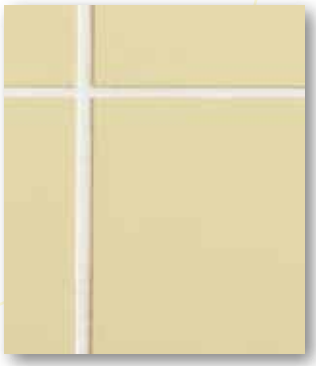


C 131-G44 Everglade

C 133-G44 Periwinkle

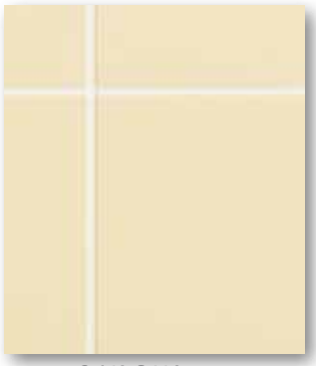
Classic Colors

C 100-G44 White*
C 100-G66 White



C 118-G44 Almond*

C 145-G44 Silver



C 140-G44 Ivory

Custom Capabilities

Custom Colors

Select any color from Lime Green to Raspberry Red.

(Minimum order quantities and other terms may apply.)

Custom Grooves

Feature large grids, small grids, rectangles, brick patterns, diamonds, even company logos and intricate designs.

STANDARD FRP

Marlite Standard FRP Panels, available in textured and smooth surfaces provide ultimate durability in high wear spaces. Marlite FRP is tough, water-resistant, economical to install and easy to maintain.

Features

- Resists stains, chemicals, scratches and abrasions and possesses high impact strength.
- Is resistant to moisture, making the panel ideal for wet environments and does not support the growth of mold or mildew.
- Costs less installed than most other high impact product.
- Wipes clean easily with standard cleaning solutions.
- Meets USDA/FSIS requirements.
- Approved by Canadian Food Inspection Agency and Agriculture Canada.
- Available in Class III/C and Class I/A Fire-rating.
- Panel Dimensions – 4’ x 8’ x 3/32”, 4’ x 9’ x 3/32” (select finishes) and 4’ x 10’ x 3/32”.

STANDARD FRP

Dimensions

4’ x 8’ x 3/32”,
4’ x 10’ x 3/32”
*Also available in
4’ x 9’ x 3/32”.

Pebbled Surface

P 100 White *
P 100 White Class A *

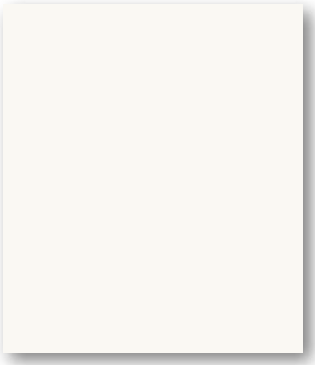
P 106 Beige
P 106 Beige Class A

Smooth Surface

S 100 S/2/S White

P 118 Natural Almond *
P 118 Nat. Almond Class A

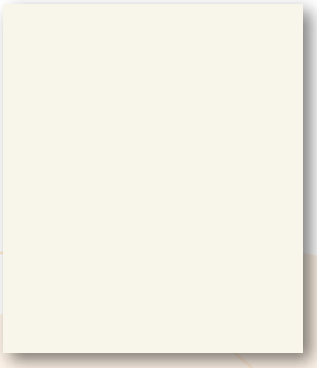
P 140 Ivory *
P 140 Ivory Class A



S 100G White

P 145 Silver *
P 145 Silver Class A

P 151 Light Grey *
P 151 Light Grey Class A



S 118G Almond

P 199 Bright White *
P 199 Bright White Class A

P 807 Black

FRP CEILING PANELS

FRP P100CP White
Fire Rating: Class C, Class A
Size: 2’ x 4’ x .090,
2’ x 2’ x .090

FRP P100CP w/ Gypsum
Fire Rating: Class A
Size: 2’ x 4’ x 23/32*
*.090 FRP Laminated to
5/8” Fire Rated Gypsum

Ceiling Grid System available upon request.

Children & Schools
GREENGUARD®
Indoor Air Quality Certified

Marlite Standard FRP is GREENGUARD Children & Schools Certified for low chemical emissions

Trim Options

Sani-SEAL™ Trim

Dual seal technology seals trim to panel contact points. Used with Induro, Artizan or any smooth FRP panel.

Length: 10’ (unless noted) **Material:** Extruded polypropylene, monprene

Colors: Black, White, Umber, Tan, Slate.

Inside Corner S650

Outside Corner S660

Edge S670

Division 665*

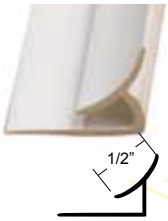
* 8’ length

PVC Trim Molding

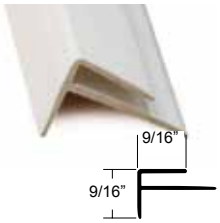
Color-integral PVC Trim Molding provides a professionally finished appearance and simplifies installation. Nailing/staple flanges make them easy to install. Typically used in conjunction with Symmetrix and Standard FRP.

Length: 8’ and 10’ **Material:** Extruded PVC with integral color.

Colors: Standard Marlite FRP colors - White, Beige, Natural Almond, Ivory, Silver, Light Grey, Black.



Inside Corner M350



Outside Corner M360

Division M365

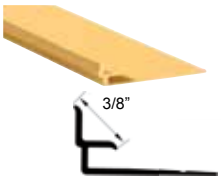
Edge M370

Harmonizing Aluminum Trim Molding

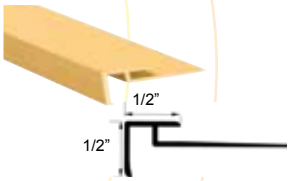
Durable painted Aluminum Molding harmonizes with any woodgrain or abstract Induro or Artizan FRP finish.

Length: 8’ **Material:** Extruded Aluminum with durable finish.

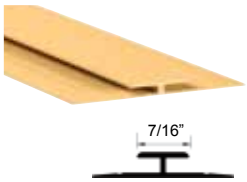
Colors: As specified with Induro or Artizan FRP.



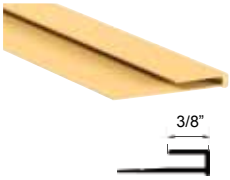
Inside Corner A551



Outside Corner A560



Division A565



Edge A570

Satin Anodized FRP Molding

Durable Anodized Aluminum Molding harmonizes with any woodgrain or abstract Induro or Artizan FRP finish.

Length: 8’ **Material:** Extruded Aluminum with durable finish.

Colors: Also available in Black.

Inside Corner A551 | Outside Corner A560 | Division A565 | Edge A570

Brite Anodized FRP Molding

Brite Anodized Aluminum Molding harmonizes with any woodgrain or abstract Induro or Artizan FRP finish.

Length: 8’ **Material:** Extruded Aluminum with durable finish.

Inside Corner F550 | Outside Corner F561 | Division F565 | Edge F570

Color-Harmonizing Silicone Sealant

Color-harmonizing Sealants integrate with any woodgrain or abstract Induro or Artizan FRP finish.

Protect panel face with tape. Wait one hour.

Place a bead of harmonizing Marlite Silicone Sealeant in the gap;

Using your finger, place a slight indentation in the gap.

Remove the tape to reveal a grooved and matched seam joint.

Accessories

Outside Corner Guards

Outside Corner Guards provide added corner protection in high-traffic, high-abuse areas.

Length: 8’ and 10’
Material: Stainless Steel or Rigid Extruded PVC with integral color.
Colors: Most standard Marlite FRP colors - White, Natural Almond, Ivory*, Silver*, Light Grey*

* denotes 10’ length only

Stainless Corner Guard F 560SS

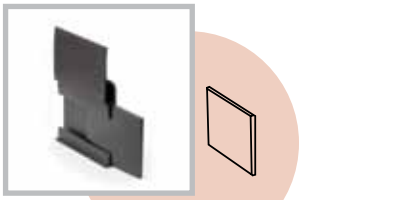
PVC Outside Corner Guard M 961

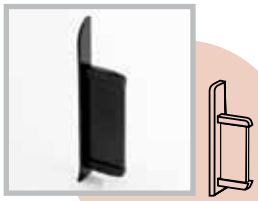
Base Molding

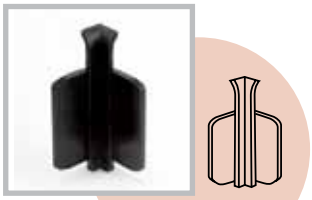
Patented-design Base Molding simplifies installation and helps totally seal the panel system.

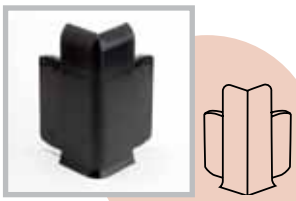
Length: 4” wide x 10’ long
Material: Rigid extruded PVC with integral color.
Colors: P 200 Black, P 203 Quarry Red

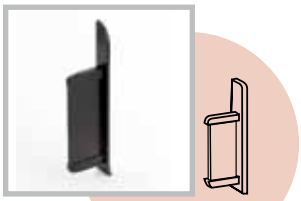
FRP Base Molding M 612


Butt Joint Connector Included with Base Molding strips


LH End Cap M 620


Inside Corner M 651


Outside Corner M 660


RH End Cap M 625

Adhesives & Sealants

Specially developed for use with Artizan, Symmetrix and Standard FRP when used on approved subwalls such as drywall and plywood. When used in conjunction with the complete line of accessories, these adhesives and sealants ensure the system's ease of installation and performance.

C-551 Marlite FRP Adhesive
A high quality, low odor, non-flammable latex-based FRP adhesive for application over approved porous subwalls such as drywall or plywood. The adhesive meets low V.O.C. requirements. Size: 3.5 gallon can.

C-375 Marlite Construction Adhesive
A strong, flexible, moisture-resistant, all-purpose adhesive formulated for fast, easy application. This adhesive is an excellent choice for use over many non-porous surfaces. Synthetic rubber base remains pliable to compensate for movement of structural surface up to 1/8". Size: 3.5 gallon can.

Titebond Advanced Polymer Panel Adhesive
A high performance, professional strengthfast grab adhesive that is moisture, mold, and mildew resistant. This adhesive is V.O.C.-compliant, non-flammable and enviromentally safe. Size: 3.5 gallon can.

MS-250 Clear, MS-251 White, & Color Matched Marlite Silicone Sealant
Waterproof silicone sealant for interior or exterior use. This sealant is extremely flexible and dries to a gasket-like finish. Size: 10-oz cartridge.

Trowel size: 3/16" W x 1/4" D x 1/2" C-C V-Notch

Simplified Installation

Artizan, Symmetrix and Standard FRP install easily and in a fraction of the installation time of ceramic tile. Symmetrix features scored grout lines, offering the same look as ceramic tile without the need for messy grout/sealer application.

FRP panels can be easily cut with shears or a carbide tip saw.

Simply apply Marlite Brand Adhesive to the back of FRP panels and apply them to the subwall.

Division Molding Installation

Adhere panel to subwall.

Slide Marlite Division Molding under edge of first panel.

Staple Division Molding to subwall along revealed edge.

Adhere second panel in place and repeat.

(Note: For wet environments, sealant is required in molding channels.)

Seam Joint Installation

Place a 6 penny spacing nail between panels.

Remove nail and protect panel face with tape. Wait one hour.

Place a bead of harmonizing Marlite Silicone Sealant in the gap.

Using your finger, place a slight indentation in the gap.

Remove the tape to reveal a grooved and matched seam joint.

Actual application requirements may vary, please call Marlite for complete installation instructions.

Surface Properties

All Induro, Artizan, Envue, Symmetrix and Standard FRP panels tested in accordance with the following specifications:

Abrasion: ASTM D968-81
Adhesion: ASTM D2197-91/ASTM D3002
Cleanability/Stain Resistance: NEMA LD 3-2000 SEC 3.4
Steam: NEMA LD 3-2000 SEC 3.5

Physical Properties and Test Results

		Typical Value					
Property	ASTM Procedure	Marlite FRP	Marlite FRP Class I/A	Symmetrix	Artizan Class C	Artizan Class A	Induro
Flexural Strengths (psi)	D790	1.7×10^4	1.0×10^4	1.6×10^4	1.3×10^4	1.2×10^4	17,842
Flexural Modulus (psi)	D790	6.0×10^5	3.1×10^5	1.0×10^6	1.0×10^5	6.5×10^5	1,745,559
Tensile Strengths (psi)	D638	8.0×10^3	7.0×10^6	7.5×10^3	1.1×10^4	6.5×10^3	11,500
Tensile Modulus (psi)	D638	9.43×10^3	1.6×10^6	1.7×10^6	4.7×10^5	5.1×10^5	1,340,709
Barcol Hardness	D2583	40	35	50	32	41	72
Izod Impact Strength (ft #/in)	D256	7.0	7.2	13	6.2	6.2	7.0
Thermal Coefficient of Lineal Expansion (in/in/Fj)	D696	1.57×10^{-5}	1.57×10^{-5}	1.39×10^{-5}	1.39×10^{-5}	1.39×10^{-5}	2.78×10^{-5}
Water Absorption (%)	D570	0.17	0.72	0.15	1.10	0.94	0.39
Specific Gravity	D792	1.53	1.80	1.80	1.80	0.80	1.54
Fire Ratings	E-84	Class III/C	Class I/A	Class III/C	Class III/C	Class I/A	Class I/A
Flame Spread		<200	<25	<200	<200	<200	<25
Smoke Generation		<450	<450	<450	<450	<450	<450
CAN/ULC FIre Ratings	S102-M88						
Flame Spread			<90	<25		<20	
Smoke Generation			<190	<450		<450	
Mold Prevention	D6329-98	*	*	*	*	*	*
Fungi Resistance	G21-96	*	*	*	*	*	*
Abrasion (L)	D968						137
Adhesion	D2197						pass @ 10kg

See Marlite's solutions for feature walls, primary spaces and Plank for secondary spaces. For specifications, tehcnical details and installation instructions, please visit us at **www.marlite.com**.

FRP

Innovative FRP Panels

Marlite

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Marlite is committed to protecting our environment and sustaining resources for future generations.