

Product Description

Versalit Pebble Flex FRP is a high strength, flexible fiberglass composite panel that is UV stabilized to enhance weathering capabilities. Panels are formulated to allow a 2 inch bend radius.

Purpose

Designed for use as an exterior roof sheet where bend radius is required.

Typical Values

PROPERTIES	TYPICAL VALUE	TEST METHOD
Flexural Strength	12,000 PSI	ASTM D790
Flexural Modulus	500,000 PSI	ASTM D790
Tensile Strength	10,000 PSI	ASTM D638
Tensile Modulus	600,000 PSI	ASTM D638
Izod Impact	7 Ft. Lbs.	ASTM D256
Barcol Hardness	40	ASTM D2583
COLTE	0.000015 IN/IN °F	ASTM D696
Water Absorption (%)	0.3	ASTM D570
Specific Gravity	1.6	ASTM D792

Physical Properties

THICKNESS	COLOR	WIDTH	FINISH	WEIGHT	MINIMUM BEND RADIUS
0.045 Nominal	White	Up to 105"	Embossed	0.21 lbs / Sq Ft	2"

NOTES: Versalit Pebble Flex FRP is available in bulk coil of 500 linear feet as well as cut-to-length sheets. Material can also be coiled with embossed side facing inside or out.

Dimensional Tolerances:

Length: +/- 1/8" Width: +/- 1/8" Squareness: +/- 1/8" Thickness: +/-10% to nominal thickness.

Lamination

Stabilit advises a maximum moisture content of any luaun substrate of 12% when lamination occurs. Glue coverage of the substrate needs to be 100% and should be administered per the adhesive's manufacturer instructions. Both the FRP and substrate should be free of dust, dirt particles and moisture prior to being laminated. Should there be a failure to follow these guidelines, Stabilit will not be held responsible for any loss.

The introduction of water to the substrate after lamination, by any means, may cause blistering of the surface and/or delamination and therefore will not be covered by the warranty.

Stabilit does not recommend laminating to layered paper substrates as testing has confirmed this can result in distortion of the surface and failure between the panel and substrate. Stabilit must approve lamination of its products to any substrate other than luaun.

Aesthetics

Versalit Pebble Flex FRP panels will provide a bright clean look when installed. Please note that periodically small areas that are unacceptable for use will be present on the panels. Stabilit will always do its best to identify these areas, but it's recommended the user inspect the panels carefully prior to installation. If an unacceptable area is discovered, please notify Stabilit at once for replacement of the affected material. Once verification is made, Stabilit will either reimburse or supply replacement material, but in no means will cover labor, installation or handling expenses.

Cutting

Versalit Pebble Flex FRP panels can be cut using power saws with a carbide tip or masonry blades. Use caution and always wear protective goggles and a filter mask when cutting panels.

Installation

Follow industry wide fastening procedures utilizing mechanical and/or adhesive procedures.

Storage

All Versalit Pebble Flex FRP panels should be stored indoors in a cool dry area. Moisture trapped between panels can cause expansion and discoloration.

Maintenance

To ensure that Versalit Pebble Flex FRP panels retain their sparkling clean looks, periodic cleaning with warm soapy water or steam cleaning is recommended. For specific instructions, see care and maintenance instructions.

Nonwarranty

The information contained in this literature is presented in good faith, and is believed to be accurate at the time of publication. No representation, guarantee or warranty is made as to the completeness, reliability or accuracy of this information. There is no implied warranty or merchantability or functional use for specific application.

Color Change

Exposure to sunlight and weathering will cause color to change over time. This is normal.

NOTE: This product is not intended for interior use that requires a Class C fire rating.

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