

## TOLERANCES

**Dimension:** Panels are available any size up to 108" wide and up to 196' long. Dimensions have to be specified on purchased order subject to the following tolerances:

- Thickness  $\pm 10\%$
- Width  $\pm 1/8"$  (3.2 mm)
- Length  $\pm 1/4"$  (7 mm)
- Squareness  $\pm 1/8"$  (3.2mm) in 48" (1.2m) of width

**Color:** Vetroresina LLC can match virtually any color. A master sample of the color to match will be required for accuracy. The master sample will be measured and it will become the master sample on which we will calculate the **Delta E** of tolerance accepted.

## STORAGE REQUIREMENTS

Keep the laminates dry, store panels indoors in a well ventilated and dry location.

Exposure to moisture for long time may cause discoloration. Careful handling during the manufacturing process is important. Avoid excessive clamping, dropping and scraping. Optimum storage conditions are 60°F (16°C) to 75°F (24°C) and 35% to 55% relative humidity.

## PRODUCT USE INFORMATION

**Preconditioning.** Prior to installing Vetroresina FRP, remove the packaging materials and allow the panels to acclimate to room temperature and humidity for at least 48 hours. Ideally, the room temperature and humidity during acclimation and installation should be the same as the final operation conditions

**Warning:** managing the laminate where the temperature rapidly changes below the freezing point may cause gelcoat failure even if the material is exposed to normal handling stress.

Recreational Vehicle Products manufactured by Vetroresina will provide a clean, aesthetically pleasing finished installation. However, by nature fiberglass reinforced plastic panels may occasionally have small areas that are aesthetically unacceptable for use. Panels should be inspected on site prior to installation or laminating and original Vetroresina code number must be removed retained or copied. If any portion of material will not provide an acceptable appearance Vetroresina

should be notified at once. Please report the non conforming product providing the product ID code. Upon verification of unacceptability Vetroresina will replace or refund the purchase price of the non conforming product.

## FABRICATING RECOMMENDATION

**Note:** Protect your eyes with goggles; cover your nose and mouth with a filter mask when cutting Vetroresina FRP panels. When cutting Vetroresina FRP, position the panel so that the saw blade enters the decorative side first, to avoid chipping and damage.

**Gluing:** The Vetroresina laminate comes with a microsanded or calibrated back surface free of dust which makes it very suitable for gluing and won't change the wettability properties. The Dyne Test is > 54.

**Drilling:** use high speed drill bit when drilling or hole saw.

**Cutting:** It's better to cut or drill the laminate from the gelcoated side using a carbide-tipped or carborundum saw blade.

**Safety:** it's suggested to always wear protective eye goggle, cover nose and mouth with an air filter mask, and cover exposed skin when cutting.

**Stapling:** standard pneumatic stapler.

**Painting:** Vetroresina gelcoated panels are paintable with almost any paint and no primer is required when purchased with paintable finish. A light scuffing with low grit sand paper is suggested .

**Uses in building applications:** Vetroresina FRP panels (without prelaminated substrate) should only be installed over a solid wall surface (wood, drywall, etc.) It should NOT be applied directly to wood or metal studs. Wall surfaces should be clean, dry, flat and smooth. Uneven wall surfaces should be corrected for best results. VetroresinaFRP may form and contour to wall surface that are not prepared to prior installation. Following adhesive manufacturer's application guidelines when choosing proper adhesives for the particular substrate you are bonding to is highly recommended. VetroresinaFRP panels may also be used as drop in ceiling panels. Clips are recommended to hold panels in place.

**Note:** Due to the nature of the Fiberglass Reinforced Plastic (FRP) panels may have moderate bowing prior to installation. All Vetroresina FRP are USDA accepted

**Disclaimer:** Vetroresina does not make any claims to the combustibility rating of the product listed on these data sheets. unless it's clearly specified.

### CLEANING INSTRUCTIONS

Use only mild soap and warm water. Vetroresina FRP is easy to clean, in most cases, use a clean, damp, non-abrasive cotton cloth and a mild liquid detergent or household cleaner. Always rinse with clean water and a clean, non-abrasive cotton cloth. Dry the panels with a soft, clean, non-abrasive cotton cloth.

Vetroresina panels are designed for minimum care and maintenance. When cleaning panels they should be washed with a light detergent. Panels may also be cleaned with steam, high pressure sprayers or soap and water.

A 5% or 10% Tri Sodium Phosphate water solution may also be used to clean panels. Rinse thoroughly after applying. Hard water deposits may be cleaned with a 10% solution of Acetic Acid in cold water. Rinse thoroughly after applying. It is strongly recommended not to use abrasive cleaners when cleaning panels. Adhesive can

be removed from panels surface by using mineral spirits or equivalent solvent based cleaners.

**DO NOT USE:** abrasive cleaners with bleach, cleaners with acid, alkali or sodium hypochlorite. They will damage and permanently discolor the surface. Be sure that bottles, rags, or other materials with these cleaners never come in contact with the surface.

Examples of harsh cleaners to avoid, include but are not limited to:

- Bleach
- Drain cleaners
- Metal cleaners
- Oven cleaners
- Rust removers
- Tub and Tile cleaners
- Lime scale remover

**Non warranty:**

*We believe all information given is accurate. It is offered in good faith, but without guarantee. Since conditions of use are beyond our control all risks are assumed by the users.*