

# FULLER

ARCHITECTURAL PANELS

MILLWORK JEWELRY

## RATTAN

### PREPARATION, FINISHING AND INSTALLATION GUIDELINES

Fuller Architectural Panels should be installed using the same top quality building principles used to install wood-based materials and in accordance with the local building codes and the installation guidelines included below. Fuller Architectural Panels accepts no liability or responsibility for the improper installation of this product. Fuller Architectural Panels may not be suitable for every application, and it is the sole responsibility of the installer to be sure that the products are fit for the intended use. Since all installations are unique, it is also the installer's responsibility to determine specific requirements regarding each application.

Rattan products are hand made using natural material therefore can twist, bow, expand and contract with changes in temperature and humidity during shipment, before and after installation. Properly fastening material along its entire length and width will minimize expansion and contraction. Material must be mechanically fastened to reduce bowing, expansion and contraction. **WARNING:** If painting, dark colors will increase movement, expansion and contraction of material.

#### STORAGE

Must store on a flat and level surface away from direct sunlight or hot, dry air.  
Keep the product free of dirt and debris.

#### PRIMER, STAIN AND FINISH PAINT

It is best to spray vs brush your finish of choice. Never place items in the sun to prepare or cure. Our Warranty does not cover painted finishes or coatings applied to the product by the original purchaser or any third party. Fuller Architectural Panels strongly recommends conducting a test prior to beginning your project. Adjust spray gun pressure and flow to prevent excessive puddling of stains or paints.

#### Light Fast Stains

Light fast stains may reduce fading time. Dye stains are prone to fading and should not be used on material placed in direct sunlight. Some dyes are more fade resistant than others and they are often referred to as light fast. All dye stains will fade if exposed to strong UV. Dyes are commonly used on interior pieces that are protected from direct sunlight. Using better dyes, that are more light fast, may reduce the time it takes for the color to fade.

#### Painting Rattan

- Lightly sand with 180-220 grit sandpaper
- Apply a professional grade sanding sealer
- Prime
- Light sand
- Apply topcoat

#### Staining Rattan Without Skin

- Lightly sand with 180-220 grit sandpaper
- Apply sanding sealer
- Lightly sanding
- Spray professional grade stain such as Mohawk Finishing Products or similar, multiple applications may be required to achieve the desired results. ENDURAGREEN® water-based stains and dye concentrates can be used to tint clear topcoats which are available in a full range of sheens.
- Spray final topcoat with Mohawk Enduragreen Waterborne Conversion Varnish or similar.
- Milsek Lemon Oil can be used to achieve a natural finish.

### Staining Rattan with Skin

- Light sanding with 180-220 grit sandpaper may be required.
- Spray final topcoat with Mohawk Enduragreen Waterborne Conversion Varnish or similar.

### Recommended Stain

- Spray professional grade stain such as Mohawk Finishing Products or similar, multiple applications may be required to achieve the desired results.
- Spray final topcoat with Mohawk Enduragreen Waterborne Conversion Varnish or similar.

### Imperfections / Drips / Fastener Holes

- Carefully remove drip tip with razor blade
- Fill holes with wood filler or color match stick from suppliers such as Mohawk Finishing Products or similar.
- Gently sand
- Re-apply stain or paint where applicable
- Re-apply topcoat finish

### PAINT TYPE GUIDELINES

When selecting the finish verify the coating has an LRV of 60 or higher. Definition of LRV (Light Reflective Value): LRV is the amount of light reflected from a painted surface. Black has a reflectance value of Zero (0) and absorbs all light and heat. White has a reflectance value of nearly 100. Light Reflective Values are given as a percentage. For example, a color with a LRV of 60 means it will reflect 60% of the light that falls on it.

WARNING: regarding exterior applications only, should you choose to paint the material a darker color (LRV of 60 or lower) the buyer understands that you are significantly increasing the potential of deformation therefore eliminating the product warranty.

### LRV—LIGHT REFLECTIVE VALUE

The LRV number represents the percentage of light reflected by a color. The higher the LRV number, the more light is reflected. The lower the LRV number, the more light is absorbed. To help understand the scale, true white has a LRV rating of 100 and true black has LRV rating of 0.

When not reflected, light is absorbed as energy and converted to heat. Excessive heat will cause material to expand and contract. This results in bowing, buckling, or deforming of the product. To reduce the potential of damage, we strongly recommend determining the LRV of the coating and confirm the color does not fall below an LRV of 60.

### FINISHING STEPS TO CONSIDER

- Do not install Rattan products in direct sunlight or moisture.
- Do not install product in direct contact to a surface that receives water. Place a minimum of 1” away from the potentially wet surface. Rattan absorbs moisture ultimately damaging the product.
- Do not install where temperatures exceed 120 degrees fahrenheit or materials are in close contact with heat exceeding 120 degrees or fire such as a grill or fireplace.

### FASTENING AND JOINING

How to fasten material?

**All fasteners must hit a solid framing member.** Fastening Rattan material into hollow or uneven areas must be avoided. Material should be fastened to a solid surface. Pre-drill any fastener larger than a brad nail. Plugs can be retrieved from scrap rattan. Pneumatic guns can be used with rubber bumpers on the nail gun tooling to protect the material. Air pressure should be adjusted based upon gun, temperature and substrate. Always use the least pressure necessary to drive the nail into the product.

**Wall, Ceiling and Exterior Applications** – small head fasteners applied every 16” on center.

**For Concrete/Masonry/Brick** –Secure with Topcon™ masonry fasteners. Pre-drill any fastener larger than a brad nail. Fill holes with wood filler when applicable or produce plugs from Rattan material.

What should I use to fill screw or nail holes and/or cracks?

- Wood filler
- Mohawk Finishing Products Fil-Stik® Putty Sticks with matching stain color

#### CUTTING AND INSTALLING

- Install using conventional woodworking techniques.
  - Vesco A6 plus pruner, double blade pruning shear and/or saw with fine toothed blade
  - Miter Shears
  - Gently sand cut end to remove any strands left behind.
  - 23-gauge headless micro pin for ¼” material
  - 18-gauge narrow crown staples for ½” material
  - White glue adhesive or commercial grade glue stick adhesive, such as SUREBONDER® Construction Grade, works well when joining two cut ends of rattan or re-securing loose décor.

VESCO A6 PLUS PRUNER



Failure to comply with Fuller Architectural Panels Guideline will result in voiding of Warranty.

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