

MirrorCoat Colors are 100% solids, pourable, self-leveling epoxy resin, which form a tough, waterproof protective layer. MirrorCoat Colors come in white, black, brown, red, yellow, blue, and green. Colors can be intermixed to attain distinctive hues. Suitable substrates are wood, ceramic, stone, concrete, and properly prepared metal surfaces. MirrorCoat Colors are appropriate for:

- Woodworking Projects
- MirrorCoat Bar & Tabletop Coating Enhancements
- Arts and Crafts

## **Environmental Considerations**

For best results, the workspace and the MirrorCoat Colors should be kept between 70 – 80° F overnight before applying. High humidity conditions should be avoided. Cool temperatures and humidity over 50% can cause surface defects in the cured product.

## **Protect Skin**

Wear disposable gloves and long sleeves (MirrorCoat Colors contain reactive chemicals which must be kept off skin).

## **Measuring and Mixing**

Mix the material at two parts resin to one part hardener by volume or 100 parts resin to 44 parts hardener by weight. Pour Part B on top of Part A in the same container.

Vigorously hand mix the material from the bottom to the top. Scrape the sides and bottom to ensure a homogeneous mixture.

## **Woodworking Projects**

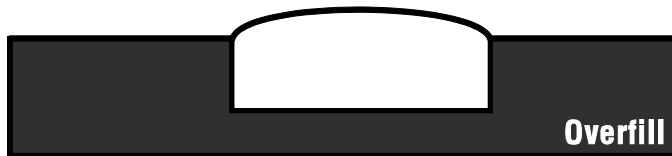
MirrorCoat Colors are an excellent choice for marquetry, inlay work, and filling voids in wood substrates (knots, burls, and cracks).

## **Marquetry and Inlay Work**

Routed design work in wood substrates must be sealed before applying MirrorCoat Colors. Most wood finishes can be used as sealers. Using a natural bristle or foam brush, apply finish to the channeled area, and to the surface approximately 1" from the design work. Be diligent to ensure that the channel walls are well coated. Thorough sealing of the channel and the surrounding surface will prevent the color from wicking out beyond the design area. Permit the seal coat to fully dry.

Before pouring the mixed product, confirm that the substrate is level. Level substrates are necessary for the MirrorCoat Colors to flow out uniformly. Mix only enough material that can be easily applied within 15 minutes.

MirrorCoat Colors can now be poured into the sealed channels. Apply by carefully pouring from a small disposable cup, or more precisely with a syringe (10 mL and 60 mL available from System Three). MirrorCoat Colors can be applied in a single pour, as long as the channel depth does not exceed 3/16". Fill gradually. Slightly **overfill** the channel, without flooding onto the surface. See illustration.



Design work which is deeper than 3/16" should be done in phases. Additional pours can be done as soon as the MirrorCoat Colors has reached a taffy-like consistency.

Wait 24-48 hours before sanding (blocking flat) the MirrorCoat Colors. Use 150-180 grit sandpaper on a hard sanding block to cut MirrorCoat Colors flush with the surrounding substrate. Then transition to a random orbital sander using 150 grit paper to remove the remainder of the seal coat. Avoid over-sanding in close proximity to the MirrorCoat Colors. Over-sanding in a localized area will result in dishing out the wood substrate. Continue sanding the entire top with successively finer grits per the finish manufacturer's recommendations. Most finishes are compatible with MirrorCoat Colors. Pretest to confirm compatibility, and that the final results meet your expectations.

### **Filling Voids**

The same procedure implemented for inlays and marquetry can be used for filling voids such as knots, burls, and cracks. In cases where the void goes completely through the substrate, duct tape works well as a temporary dam, preventing MirrorCoat Colors from seeping out.

### **MirrorCoat Bar and Tabletop Coating Enhancements**

Clear MirrorCoat bar and tabletop coating can be further enhanced with the addition of MirrorCoat Colors. Inlays and marquetry work can be filled with MirrorCoat Colors, and then topped off with Clear MirrorCoat. MirrorCoat Colors can also be swirled into clear MirrorCoat to create striking designs features.

Inlays and marquetry work must be sealed with Clear MirrorCoat before adding the MirrorCoat Colors. Apply a thin layer of Clear MirrorCoat at ½ fluid oz. per sq. ft., using a 1/8" foam roller

and a disposable natural bristle brush. Roll the clear MirrorCoat out evenly over the entire surface. Follow by applying a thin layer of clear MirrorCoat with the natural bristle brush inside the routed channel. Be diligent to ensure the channel walls are coated. Failure to do so will result in the MirrorCoat Colors wicking outside of the design channel.

Allow the seal coat to cure for 4-6 hours or overnight. Before pouring the MirrorCoat Colors, check the substrate for levelness. Non-level substrates will prevent MirrorCoat Colors from flowing out evenly. MirrorCoat Colors can now be poured into the sealed channels. Apply by carefully pouring from a small disposable cup, or more precisely dispense from a syringe (10 mL and 60 mL available from System Three). MirrorCoat Colors can be applied in a single pour, provided the channel depth does not exceed 3/16". Design work which is deeper than 3/16" should be done in phases. Additional product can be applied as soon as the MirrorCoat Colors has reach a taffy-like consistency. Care should be taken to slightly *underfill* the channel. See illustration.



No sanding between the filled design work and application of the flood coat is necessary for up to 72 hours. See MirrorCoat Application Brochure for more details.

### **Creative Options**

When Clear MirrorCoat has just been poured and evened out with a disposable brush, colored MirrorCoat can be poured onto the surface. Using a number of differing diameter styluses, drag the MirrorCoat Colors out in long wispy strokes.

### **Arts and Crafts**

MirrorCoat Colors is a superb product for creating distinctive arts and crafts.

- Small casts parts
- 3 dimensional mosaics