

Overview:

This UVPoxy is a 100% solid, two component, clear polymer coating that is mixed at a 1 to 1 ratio by volume. Each kit contains a bottle of resin and a bottle of hardener. The product cures to a clear, high build, glass like finish that resists scratching, yellowing and will not distort with age. Items coated with it will become permanently preserved and protected for your enjoyment throughout it's lifetime. This product will not exhibit blushing or sweat out under high humidity conditions.

- **Primary use:**

This product is commonly used for arts and crafts and any place where a Clear, UV Stable epoxy is required. It is also often used for making countertops and jewelry.

- **Application:**

The product should be applied in two stages. The first stage is referred to as the seal coat. The seal coat is brushed on in a thin layer and is used to seal any pores in the surface and prevent air bubbles from forming in the following flood coats. This stage is followed by the flood coat, which will flow and self level, clean brushes or squeegees can be used to help spread the UVPoxy. Flood coats are applied in 1/8" layers at a time, as many as desired can be applied, however one to three coats is average for most table or bar coatings.

- **Recoating/Between Layers:**

Recoating can usually be done within 4 to 8 hours. If re-coated within this time period no sanding is necessary between layers.

If your previous layer has fully dried, very light sanding with 220 grit sandpaper is recommended to achieve a good bonding surface. After sanding you should wipe down with a solvent such as denatured alcohol or acetone to remove any impurities from the surface. (do NOT use mineral spirits)

- **Imbedding Pictures:**

Objects, such as pictures, maps etc. can be imbedded in this product during the pours. Most photo quality paper does not require any special preparation however sometimes thin paper objects must first be sealed with a white glue or similar product to prevent the UVPoxy from fully penetrating the paper and causing it to become transparent.

- **Imbedding Solid Objects (wood, rocks, shells, etc.)**

All porous materials should first have a seal coat of UVPoxy applied. This will prevent air bubbles from occurring in subsequent flood coats. Usually the objects can be set in place before sealing.

- **Working Conditions:**

For best results the product must be used at temperatures from 70-80 degrees F. The room which you are working should be clean, dry, dust and insect free. Settling dust can often cause blemishes on the glassy surface.

- **Exterior Applications:**

Please note that although this product has been UV stabilized and will resist yellowing better than other epoxies it is NOT 100% UV resistant. Continuous outdoor UV exposure over months or years will cause the finish to lose its gloss, cause gradual changes in color and possibly warp.

- **Storage Conditions:**

Liquids should be stored in a cool, dry, dark environment. Product will last for at least 6 months and many times will last longer, but small testing should be done if in doubt.

Coverage: See the coverage charts shown below to calculate the amount you will need for your area. Remember not to combine seal and flood coat coverage's. Flood coats are designed to go on approximately 1/8" thick, which is about three times thicker than that of a seal coat.

Example: A 6ft x 4ft bare wood table (24sq ft) would require 2 Quarts to complete ONE seal coat and about a gallon and a half to complete ONE flood coat for a total of Two Gallons.

Beginners Notes:

This material leaves professional results when applied correctly so take your time and make sure to beware of these of the common problems we have seen encountered by first time users.

1. Always make sure that your mixing container is clean and your measuring device is accurate, this product **REQUIRES** that you mix at a 1 to 1 ratio by weight or volume, any variances from this can cause the UVPoxy to stay soft and not fully cure.
2. This product requires a **THOROUGH** mixing, usually between 4 to 5 minutes of solid mixing without excessive whipping of the mixture(whipping will put lots of air bubbles into the epoxy). Mixing one gallon at a time can require up to 6 to 7 minutes of mixing. Beginners should never attempt to mix more than one gallon total per batch, 2 quarts per batch is suggested until you feel comfortable with how the product works.
3. After the two components are poured together and stirring begins the mixture will turn a cloudy white color, this represents areas in which the epoxy has not fully combined. You must continue to mix until all signs of cloudiness and tiny white lines have completely disappeared (usually takes 3-4 minutes of thorough mixing).
4. Always scrape the sides of your mixing container and also the stick during those 3-4 minutes. If **UNMIXED** epoxy remains on the side of the container or the stick it will cause wet spots on your finished product if that **UNMIXED** material falls into your project.....Followup: While pouring your UVPoxy onto the surface **NEVER** scrape the container to remove every last drop, because no matter how thorough you mix there will always be an unmixed drop on the side of the container that will leave a wet spot.