

# EPOX-Y INSTRUCTIONS:



www.saman.ca

## IMPORTANT:

### CAREFULLY READ ALL INSTRUCTIONS BEFORE BEGINNING YOUR PROJECT

SamaN EPOX-Y is a two-component, 100% solid, transparent polymer coating mixed in a 1:1 ratio by volume. The product cures to a scratch-resistant, crystalline gloss finish. This product is designed for indoor use.

### Required material:

-3 graduated plastic or non-waxed paper containers with a smooth surface and a flat bottom.

-Mixing sticks

-Plastic spatula

-Disposable brush

-Wax paper, newspaper or roll of plastic

-Protective latex, vinyl or chemical resistant gloves

### Recommended application conditions:

Wood moisture content must be less than 12%, room temperature between 21° C and 25° C (70° F and 77° F) relative humidity between 40% and 70%.

**Mixing:** Make sure the material is at room temperature. If the resin (Part A) or the catalyst (Part B) is too cold, the product will be very thick and impossible to work with. In this case only, place the containers under hot tap water so the contents return to their normal liquid state. Allow to cool to room temperature before mixing.

It is imperative to accurately follow the instructions for measuring and mixing. A poorly prepared mixture may give an imperfect, soft or sticky surface. If the project requires coloration, only use SamaN water based stain. Make sure the surface is completely dry before applying the EPOX-Y finish

Before applying SamaN EPOX-Y on a polyurethane or acrylic varnish, lightly sand the surface with a 220 grit sandpaper and wipe down with acetone or alcohol.

If the surface has a solvent-based varnish or stain, test in a discreet area to see if it is compatible with EPOX-Y.

The resin and catalyst mixture produces heat, which speeds up the curing process. The more mixture used, the more heat will be released, reducing the application time. Mix in small portions to allow yourself enough time to properly apply the product. Test in a discreet area before applying all of the product.

### Surface preparation:

Sand the surface with 120 or 150 grit paper. Vacuum the dust and wipe with a clean, dry cloth. The surface must be dry, clean, free of dust, wax, grease and moisture.

**Before pouring the mixture:** Protect the sides against the droplets with several layers of masking tape. Remove the masking tape once the product has hardened. It is also possible to remove the droplets with a scraper approximately 30 minutes after pouring the mixture.

## Preparation of the mixture:

CAREFULLY FOLLOW INSTRUCTIONS FOR MIXING.

THE MOST COMMON REASON FOR POOR RESULTS IS AN INADEQUATE MIXTURE.

Tips before mixing:

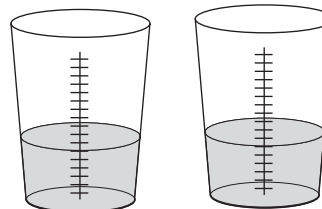
Do not use an electric mixer and never shake the product to mix as this will cause an excessive amount of bubbles.

1

### MEASURE:

Pour **equal** parts of Resin ( **Part A** ) and Hardener ( **Part B** )

Ratio 1:1



Part A

Part B

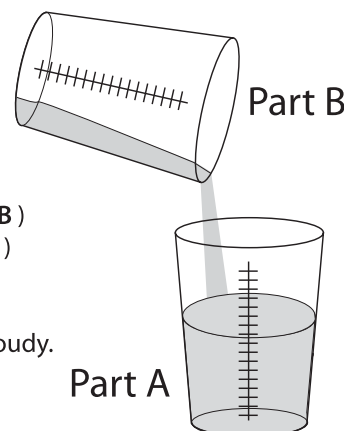
2

### COMBINE AND MIX:

Pour the measured Hardener ( **Part B** ) into the container of Resin ( **Part A** )

**GENTLY MIX FOR 2 MINUTES**

or until the mixture is no longer cloudy.



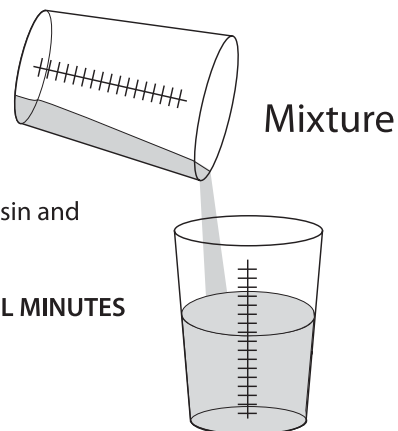
Part A

3

### TRANSFER AND MIX:

Finally put the mixture ( Mixed Resin and Hardener ) into a clean container.

**GENTLY MIX FOR 2 ADDITIONNAL MINUTES**



Clean Container

The EPOX-Y finish begins to harden as soon as it is mixed. It is therefore necessary to pour it immediately after mixing. The product must be applied within 20 minutes after mixing; a longer delay and it will be unusable. NOTE: when the ambient temperature is above 21°C this reduces the 20 minute time line.

### Application:

Pour the mixture onto the center of the surface to be covered and spread evenly with a spatula. For best results, spread the mixture in one direction over the entire surface. DO NOT continue spreading the mixture as it begins to harden, otherwise it will not self-level. It is recommended to apply EPOX-Y in 1 / 16in (1.6mm) thick layers. Allow a dry time of at least 5 hours before applying additional layers of EPOX-Y.

### Application on large surfaces:

If possible, seek help from someone to speed up the mixing step

The application includes 3 steps: Mix, Pour, Spread. Follow this process until the surface is completely covered. It is important that the layers blend together, but they should not be applied to each other otherwise the layers will harden unevenly causing wrinkles on the surface. Pour the mixture in one direction in small amounts and spread them together to obtain a uniform thickness and appearance.

It is strongly recommended NOT to mix more than one liter at a time

### Bubbles forming on the surface:

The majority of bubbles formed during mixing should naturally rise to the surface and then disappear once the mix is poured. However, since EPOX-Y is extremely thick it is usually necessary to help the process by gently blowing on it with the help of a hair dryer at the lowest setting or simply blowing on the bubbles with a straw to help bubbles rise to the surface and disappear. You must work quickly before the surface starts to dry, otherwise the bubbles will be trapped and form ripples on the hardened surface. NOTE: Do not point the hair dryer directly at the surface.

**Coverage:** 1 quart (1L) cover up to 6ft<sup>2</sup> based on a thickness of 1/16 inch

**Drying time:** Allow to dry 5 hours between coats. 100% hardened in 72 hours.

Avoid contact with dust during the curing process

**VOC:** 38,8 g/l

**Cleaning:** Clean tools with acetone/alcohol-based.

**IMPORTANT:** Wash your hands and skin thoroughly with soapy water after being in contact with EPOX-Y

### Surface maintenance:

Use the AquaShine cleaner.

Heat Resistance: - EPOX-Y can withstand temperatures of 50° C. Always use a trivet mat to reduce the risk of surface discoloration.

**Storage:** Keep in a cool place. FREEZE/THAW stable

As the conditions under which our product is used is beyond our control, we only guarantee that it meets our quality standards and, if applicable, the manufacturer's liability is limited to the purchase price of the product.