



Technical Data Sheet

PolyGlass 320 Resin

Topcoat Refinishing Paint Component

Description

Conventional topcoats were developed in the 1950's--the same time as TV dinners! PolyGlass 320 is an eco-friendly topcoat that meets the federal guidelines for low VOC's. It offers all the benefits of earlier coatings but with low VOCs. This also means the odor is greatly reduced. Better for you, better for your customers, better for your business. Easy to use. Finish is just as hard as or harder than conventional coatings. Safer for you and your customers.

Laboratory Data

Typical Properties

Appearance	Opaque Liquid
Specific Gravity	1.31
Flash Point	40°F
%N.V. (typical)	61
VOC	1.77 lbs./gal 212.3 g/L
Coverage per Gallon at recommended film thickness	200-250 sq. ft.
Total Film Thickness (dry)	2.5 – 3.5 mil

Application

For the average size bathtub (35 square foot surface), mix 10 oz. of PolyGlass 320 resin with 5 oz. of the 320 Catalyst (by volume). Thin with 5 oz. of the 320 Reducer to spray apply. Spray 1 light tack coat followed by 2 wet coats. Pause between coats to inspect the work. Allow the coating to "tack" before applying the next coat. At 75F and 50% humidity, PolyGlass 320 will dry to touch in eight minutes. Remove masking paper and apply caulk in 30-45 minutes after the last coat is applied.

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Surface Preparation

There are 2 methods of surface preparation. The older method is to etch the bathtub with NAPCO Extra-Strong Etch, and prime with the NAPCO Two Component epoxy-polyamide primer before applying the PolyGlass 320 series of topcoats.

The second method that is gaining wide acceptance and is recommended by NAPCO is to use the wipe-on primer and bonding agent NAPCO Gorilla Grip, after the bathtub is cleaned with NAPCO Poly Tub and Tile Prep. Refer to the Tech Data Sheets and SDSs for these products.

Mixing Instructions

The NAPCO PolyGlass 320 Resin should be shaken constantly for 20-40 seconds before use. For the average size bathtub (35 square foot surface), mix 10 oz. of PolyGlass 320 resin with 5 oz. of the 320 Catalyst (by volume). Thin with 5 oz. of the 320 Reducer to then spray apply.

Temperature/Humidity Considerations

Application temperatures between 68F and 79F are recommended for best performance. In general, application at temperatures above 90F will result in reduced pot-life, lower gloss, and sometimes a powdery appearance known as "dry spray". At temperatures around 50F, the cure and tack times will increase threefold.

Notes and Precautions

Refer to the MSDS sheet before use. The NAPCO PolyGlass 320 Resin should be shaken constantly for 20-40 seconds before use. For a 35-square foot tub, mix 10-oz of PolyGlass

Resin, with 5 oz. of 320 Catalyst and 5 oz. of 320 Reducer.

All components should be stored indoors between 50-90 F. Shelf-life in unopened containers is one year from the date of manufacture. The catalyst is particularly sensitive to high humidity, so the catalyst container must be kept closed at all times when not in use. The viscosity of the resin will more than double at 50F vs. 75F (perhaps requiring more reducer for proper spray, which further lengthens the recoat tack times as well as slowing down the cure). If the components are stored at high temperatures, (90F and above), the viscosity of the base will noticeably be lowered, and the solvents in the mixed paint will evaporate more rapidly, causing too fast a "dry" and may result in a lower gloss and powdery finish. The shorter pot-life at high temperatures could lead to drastically shortened working time and could even gel in the paint pot.

Storage

All components should be stored indoors between 50-90 F. Shelf life in unopened containers is one year from the date of manufacture. The catalyst is particularly sensitive to high humidity, so the catalyst container must be kept closed at all times when not in use.

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