Technical Data Sheet

All-Purpose Reducer

Topcoat Refinishing Paint Component

Description

This workhorse thinner is especially formulated for product compatibility and optimum performance. It is a blend of extra pure thinners; this medium speed formula will help provide high quality and maximum gloss when used to reduce (thin) all NAPCO PolyGlass brand topcoats. The chemical components of the thinners you use is critical to your success. Use one that allows the solvent to evaporate too quickly and the coating can "skin over" before the solvent below has a chance to evaporate, causing solvent popping. This can be a major cause of call backs, costing you time and money. Rapid evaporation can be a killer as well. Condensation can form on the surface, resulting in blushing. That's bad. If a solvent evaporates too slowly, you run the risk of surface runs and sags that can ruin the look of the resurfaced fixture. That's a lot to take in. Just trust us on this one. If you use this thinner, your jobs have a better chance of turning out brilliantly, reducing your stress level. One thing to note though: in cold conditions you might want to use our Fast Thinner. It usually yields better results in colder conditions.

Laboratory Data	Typical Properties
Appearance	Clear Liquid
Specific Gravity	0.910
Flash Point	81°F
Boiling Range	257-302°F

Application

For the average size bathtub (35 square foot surface), mix 10 oz. of PolyGlass resin with 5 oz. of the Universal Catalyst (by volume). Thin with 5 oz. of the All-Purpose 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 Mega Fast will dry to touch in 12-15 minutes. Remove masking paper and apply caulk in 30-45 minutes after the last coat is applied.

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 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 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 resin with 5 oz. of the Universal Catalyst (by volume). Thin with 5 oz. of the All-Purpose 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 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 Universal Catalyst and 5 oz. of All-Purpose 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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