

PREP-PRESOAK 480 NP

TECHNICAL DATA

MIXING AND APPLICATION

Application Instructions Application Instructions CONTACT YOUR TECH SUPPORT PERSON FOR DETAILS, FILLER COMBINATIONS & MIXING WITH OTHER MATERIALS. THESE ISSUES CAN CHANGE CHARACTERISTICS DRAMATICALLY.

PRODUCT STORAGE: Store product at normal room temperature before using. Continuous storage should be between 60 and 90 degrees F. Low temperatures or temperature fluctuations may cause crystallization.

SURFACE PREPARATION: The surface to be soaked prior to placing a topcoat or topcoat system must be clean, free from defects and in sound conditioned and properly bonded. For hard to soak to surfaces, slightly roughen and/or degloss the surface prior to applying the product. All dirt, foreign contaminants, oil and bond breaking substances should be removed. A test should be made to determine that the product will penetrate to the surface to be applied.

PRODUCT MIXING: Re-mix if separated.

PRODUCT APPLICATION: The mixed material can be applied by soaking, spray-gun, brush or roller at the recommended coverage. Maintain temperatures and relative humidity within the recommended ranges during the application and curing process. This product can be used with various basecoats and topcoat or topcoat systems afterward.

RECOAT OR TOPCOAT: Many topcoat products or topcoat systems can be applied, however, when you topcoat this product, you must first be sure that the treatment has tacked off properly before applying the topcoat or topcoat system. Always remember that colder temperatures will require more cure time for the product before topcoating can commence. Before topcoating, check the finish to insure no epoxy blushes were developed (a whitish, greasy film, or deglossing). If a blush is present, it must be removed prior to topcoating or recoating. A standard type detergent cleaner can be used to remove any blush. Many epoxy coatings and urethanes are compatible for use as a topcoat for this product as well as multiple coats of this product.

CLEANUP: Use xylol

FLOOR CLEANING: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with the product and process tested.

RESTRICTIONS: Restrict the use of the surface to light traffic and non-harsh chemicals until the coating is fully dry. It is best to let the floor remain dry for the full cycle.

PRODUCT DESCRIPTION:

480 NP is a one component 93% (+/- 1%) solids epoxy bond coat that can be used as a base coat over many existing surfaces prior to applying a topcoat product or system. The product is not intended to be a stand alone product.

RECOMMENDED FOR:

Recommended as a bond coat between various surfaces to help insure adhesion from the original surface to the topcoat or topcoat system to be applied.

SOLIDS BY WEIGHT:

93% (+/- 1%)

SOLIDS BY VOLUME:

91% (+/- 1%)

VOLATILE ORGANIC CONTENT:

17 grams per liter

COLORS AVAILABLE:

Clear- gardner color 1-2

RECOMMENDED SOAK TIME:

10 minutes to 2 hours at 60 to 80 degrees F

SHELF LIFE:

6 year in unopened containers

FINISH CHARACTERISTICS:

Post Soak Semi Gloss (>80 at 60 degrees @ Erichsen glossmeter)

FLEXURAL STRENGTH:

1100 psi @ ASTM D790

ABRASION RESISTANCE:

Taber abrasor CS-17 calibrase wheel with 1000 gram total load and 500 cycles= 18 mg loss

ADHESION:

350 psi @ elcometer (concrete failure, no delamination)

VISCOSITY:

Mixed= 200-400 cps (typical)

DOT CLASSIFICATIONS:

Not classified

HARDNESS:

Shore D= 75-80

COMPRESSIVE STRENGTH:

700 psi @ ASTM D695- 1/2" x 1/2" bars

TENSILE STRENGTH:

980 psi @ ASTM D638

ULTIMATE ELONGATION:

.10%

GARDNER VARIABLE IMPACTOR:

12 inch pounds direct- passed

CURE SCHEDULE:

tack free (dry to touch)..... 7-9 hours @ 70 °F

resoak or topcoat.....7-12 hours@ 70°F

light foot traffic.....10-16 hours @ 70°F

full cure (heavy traffic)..... 2-5 days @ 70°F

APPLICATION TEMPERATURE:

50-90 degrees F with relative humidity below 85% for best results.

CHEMICAL RESISTANCE:

REAGENT

RATING

butanol

C

xylene

B

1,1,1 trichloroethane

B

MEK

A

ethyl alcohol

B

skydrol

C

10% sodium hydroxide

E

50% sodium hydroxide

E

10% sulfuric acid

D

70% sulfuric acid

B

10% HCl (aq)

C

5% acetic acid

C

Rating key: A - not recommended, B - 2 hour term splash spill, C - 8 hour term splash spill, D - 72 hour immersion, E - long term immersion. NOTE: extensive chemical resistance information is available through your sales representative.

PRIMER:

Not Applicable

TOPCOAT:

Various.

LIMITATIONS:

*Substrate temperatures must be 5°F above dew point.

*All new wood must be dry for at least 1 days prior to treatment.

*Do not apply more than soak over 2 hours at 80 degrees F as this may result in the product not over softening substrate.

*Apply a suitable test part to determine product suitability prior to using.

*It is best to not expose this product to water until dry.

*Physical properties are typical values and not specifications.

