



TECHNICAL DATA SHEET

Epoxy Base Coat

PRODUCT

The Concrete Protector Basecoat is a two component 94% (+/- 1%) solids epoxy colored coating designed for applications where a high solids primer is needed before applying high solids or 100% solids topcoats for built coats over concrete.

STANDARD COLORS: Dark Tan, Black, Medium Gray.

OTHER COLORS ALSO AVAILABLE: White, Light Tan, Brown, Blue, Dark gray, Green.

Other colors are available upon request.

CURE SCHEDULE (70°)

POT LIFE (1.5 GAL Volume) 30-50 minutes

TACK FREE (DRY TO TOUCH) 6-10 hours

RECOAT OR TOPCOAT 11-14 hours

LIGHT FOOT TRAFFIC 11-18 hours

FULL CURE 28 days

COVERAGE

Recommended for a high build basecoat on concrete or masonry. Product is suitable in many chemical exposure environments.

COVERAGE PER GALLON:

125-250 square feet per gallon @ 6-12 mils

Typical coverage before broadcasting media on prepped concrete: 175 sq ft per gal

Typical coverage on prepped concrete for TCP 123 system: 200 sq ft per gal

MIX RATIO: 2 Parts A to 1 Part B by volume

RECOMMENDED FILM THICKNESS:

5-13 mils

PACKAGING INFORMATION:

1.5, 3, and 7.5 gallon kits. Special sizes available: 15 gallon and 150 gallon kits

PHYSICAL PROPERTIES

FLEXURAL STRENGTH: 8,050 psi @ ASTM D790

COMPRESSIVE STRENGTH: 8,400 psi @ ASTM D695

TENSILE STRENGTH: 6,900 psi @ ASTM D638

ADHESION: 435 psi @ elcometer (concrete failure, no delaminating)

VISCOSITY: Mixed= 550-900 cps (typical, most colors)

ABRASION RESISTANCE: 1000 gram total load and 500 cycles = 44 mg loss

ULTIMATE ELONGATION: 2.5%

HARDNESS: Shore D= 80

VOLATILE ORGANIC CONTENT: Part A=.141#/gallon, part B= 2.109#/gallon Mixed= .79#/gallon

SHELF LIFE: 1 year in unopened containers

CHEMICAL RESISTANCE

REAGENT	RATING
MEK	A
METHANOL	A
70% SULFURIC ACID	A
1,1,1 TRICHLOROETHANE	B
SKYDROL	B
5% ACETIC ACID	B
SKYDROL	B
BUTANOL	C
XYLENE	C
ETHYL ALCOHOL	C
10% SULFURIC ACID	C
50% SODIUM HYDROXIDE	D
10% SODIUM HYDROXIDE	D

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.

LIMITATIONS

For best results, apply with 3/8" nap roller.

Substrate temperature must be 5°F above dew point.

All new concrete must be cured for at least 30 days prior to application.

Color stability or gloss may be affected by environmental conditions such as high humidity or chemical exposure.

Epoxy Base Coat is not UV color stable but has fairly good color stability, topcoat recommended but optional.

Physical properties are typical values and not specifications.

Curing is inhibited with temperature below 60 degrees

Colors may vary from batch to batch.

INSTRUCTIONS

PRODUCT MIXING: This product has a mix ratio of 2 Parts A to 1 Part B. Standard kits are in pre-measured and should be mixed as supplied in the kit. Kits must not be broken down unless proper premixing is done. After the two parts are combined, mix well with slow speed, mixing until the material is thoroughly mixed and streak free. After mixing, "box" from the mixing bucket into another bucket (the "job" bucket) and remix. The material in the Job Bucket is now ready to be applied on the substrate. Improper mixing may result in product failure.

SURFACE PREPARATION: Refer to the TCP Training manual and the ICRI standards for proper surface preparation.

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 floor to light traffic and non-harsh chemicals until the coating is fully cured (see technical data under full cure). It is best to let the floor remain dry for the full cure cycle.

NOTICE TO BUYER: DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR

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