



TECHNICAL DATA SHEET

EPOXY BASE COAT

PRODUCT DESCRIPTION

The Concrete Protector's Epoxy Base Coat 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 build coats over concrete.

STANDARD COLOR: Dark Tan, Black, Medium Gray
OTHER COLORS AVAILABLE: Other colors are available upon request
Revision Date: February 2, 2021

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 base coat on concrete or masonry.
 Product is suitable in many chemical exposure environments.

COVERAGE PER GALLON: 160-210 sq. ft.
MIX RATIO: 2 Parts A to 1 Part B
RECOMMENDED FILM THICKNESS: 5-13 mils
PACKAGING INFORMATION: 1 gal., 5 gal., 3 gal., 7.5 gal kits.

PHYSICAL PROPERTIES

FLEXURAL STRENGTH:	8,050 psi @ ASTM D790	ABRASION RESISTANCE:	1000 gram total load & 500 cycles = 44 mg loss
COMPRESSIVE STRENGTH:	8,400 psi @ ASTM D695	ULTIMATE ELONGATION:	2.5%
TENSILE STRENGTH:	6,900 psi @ ASTM D638	HARDNESS:	Shore D= 80
ADHESION:	435 psi @ elcometer (concrete failure, no delaminating)	VOLATILE ORGANIC CONTENT:	Mixed: Less than 95 g/l
VISCOSITY:	Mixed= 550-900 cps (typical, most colors)	SHELF LIFE:	1 year in unopened containers

CHEMICAL RESISTANCE

REAGENT	RATING	REAGENT	RATING	REAGENT	RATING
MEK	A	SKYDROL	B	ETHANOL ALCOHOL	C
METHANOL	A	5% ACETIC ACID	B	10% SULFURIC ACID	C
70% SULFURIC ACID	A	BUTANOL	C	50% SODIUM HYDROXIDE	D
1.1.1 TRICHLOROETHANE	B	XYLENE	C	10% SODIUM HYDROXIDE	E

RATING KEY: A-NOT RECOMMENDED, B-CONDITIONAL, C-RECOMMENDED CONDITIONAL, D-RECOMMENDED.
 NOTE: EXTENSIVE CHEMICAL RESISTANCE INFORMATION AVAILABLE THROUGH YOUR SALES REPRESENTATIVE.

LIMITATIONS

- 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.
- Curing is inhibited with temperature below 60 degrees

BENEFITS

- Low viscosity
- Easy to apply
- Oil and salt resistant
- Easy to clean

INSTRUCTIONS

- 1) Combine 2 parts of Part A to 1 part of Part B and mix well with slow speed, mixing until the material is thoroughly mixed.
- 2) Pour onto surface in puddles or ribbons
- 3) Apply to the concrete surface using a 3/8" nap roller and/or notched squeegee, or magic trowel.

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