



# 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

<b>FLEXURAL STRENGTH:</b>	8,050 psi @ ASTM D790	<b>ABRASION RESISTANCE:</b>	1000 gram total load & 500 cycles = 44 mg loss
<b>COMPRESSIVE STRENGTH:</b>	8,400 psi @ ASTM D695	<b>ULTIMATE ELONGATION:</b>	2.5%
<b>TENSILE STRENGTH:</b>	6,900 psi @ ASTM D638	<b>HARDNESS:</b>	Shore D= 80
<b>ADHESION:</b>	435 psi @ elcometer (concrete failure, no delaminating)	<b>VOLATILE ORGANIC CONTENT:</b>	Part A= .141#/gallon, part B= 2.109#/gallon Mixed= .79#/gallon
<b>VISCOSITY:</b>	Mixed= 550-900 cps (typical, most colors)	<b>SHELF LIFE:</b>	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	B	50% SODIUM HYDROXIDE	D
1.1.1 TRICHLOROETHANE	B	XYLENE	C	10% SODIUM HYDROXIDE	D

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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