

TRUE CLEAR EP™

TECHNICAL DATA SHEET



SKU: 120-0000-03



TRUE CLEAR EPOXY (TCE) IS A HIGHLY REFINED, ULTRA-CLEAR CYCLOALIPHATIC EPOXY DESIGNED FOR USE AS A GROUT, MID AND FINISH COAT. TCE provides excellent optical clarity and color stability. It contains 0-VOCs with minimal installation odor, making it an excellent choice for interior commercial and industrial applications.

USES:

- » All purpose clear topcoat
- » Clear grout coat and topcoat for quartz and chip f
- » Metallic coat for metallic floors.

ADVANTAGES:

- » Low Odor, 0 VOC
- » Excellent clarity
- » Easy to use 2:1 mix ratio
- » Light Stable

MIX RATIO:

Clear & Pigmented:

- » 2 Parts A to 1 Part B by Volume

PACKAGING & SHELF-LIFE

True Clear Epoxy is available in the following Units:

- » 3-gallon Kits (2-gallons part-A in 3.5-gallon pail + 1-gallon part-B)
- » 15-gallon Kits (two 5-gallon pails part-A + one 5-gallon pail part-B)

SUGGESTED APPLICATION:

Suitable Substrate(s):

- » Concrete: Apply at 8-20 mil thickness to properly profiled concrete. Please see page 2 for detailed application instructions

ANCILLARY PRODUCTS:

True Clear Epoxy may be used as a mid, grout or topcoat over other Resinwerks resinous coating product(s).

MATERIAL COVERAGE	
THICKNESS	APPROXIMATE COVERAGE
8-mils	200 ft ² / gallon (4.8m ² /L)
12 mils	133 ft ² / gallon (3.2m ² /L)
16 mils	100 ft ² / gallon (2.4m ² /L)
20 mils	80 ft ² / gallon (2.0m ² /L)

GENERAL PRODUCT INFORMATION

Colors: Clear Only

Solids Volume: 100%

V.O.C.: 0 grams per liter

Pot-life: 30-Minutes @ 70° F

Cure Schedule: 70° F @ 50% R.H.

To touch: 8-10- Hours

To re-coat: 12- Hours Minimum

48-Hours Maximum

Foot Traffic: 24- Hours

Heavy Traffic: 36- Hours

Reducer: Not recommended

Application Temp: 60°F(15.6°C) - 90°F(32.2°C)

Environment: For Interior Use Only

Shelf Life: 24-months factory sealed

GENERAL PRODUCT PERFORMANCE

TEST TYPE	TEST METHOD	RESULT
Chemical Resistance	100 MEK Double Rubs	> 90% Gloss Retention
Hardness	ASTMD 2240 Shore D	85
Compressive Strength	ASTMD 695	11,000
Tensile Strength	ASTMD-638	2,800 psi
Abrasion Resistance	ASTMD-4060	40 mg loss
Flexibility 1/4" cylindrical mandrel	ASTMD 522	Pass
Impact Resistance	ASTMD 2794	120
Coefficient of Friction	ASTMD-2047	> 0.6 / pass

DATA SHEET

SURFACE PREPARATION

True Clear Epoxy (TCE) is intended for use as a grout coat, mid or topcoat and is not designed for direct to concrete application. When applying TCE on top of existing coatings or seeded aggregate surfaces, ensure that the previous layer to be coated is clean, dry and free of any dust or contaminants. For applications over existing smooth surfaces, the area to be coated should be to be sanded and tacked (solvent wiped) prior to application to allow for proper inter-coat adhesion.

MOISTURE IN CONCRETE

True Clear Epoxy is not intended for use as a primer. For more information regarding moisture in concrete please contact your local Resinwerks representative.

DE-GREASING OF CONTAMINATED SUBSTRATES

True Clear Epoxy is not intended for use as a primer. For more information regarding moisture in concrete please contact your local Resinwerks representative.

TREATMENT OF JOINTS & CRACKS

Prior to installation of any Resinwerks primer, all joints, cracks and other substrate irregularities must be addressed. For more information on specific joint treatment procedures, please contact your Resinwerks technical services representative.

MIXING INSTRUCTIONS

- » Prior to mixing, all products should be properly acclimated to the local ambient room temperature of 60°F(15.6°C) - 90°F(32.2°C). Thoroughly agitate both part A and Part B separately prior to mixing. Mix 2-parts A to 1-Part B by volume for two minutes using a slow speed jiffy mixer.

APPLICATION INSTRUCTIONS

- » Immediately following mixing, pour onto substrate in a uniform ribbon and spread evenly with a 1/8" - 1/4" notched squeegee depending on desired thickness. Immediately back-roll with 3/8" (9 mm) nap non-shedding roller to help ensure full coverage and uniform thickness. Use a brush or small roller to cut-in along perimeter walls or any other obstructions. Depending on ambient environmental and slab temperatures, material will be dry to the touch and ready for subsequent coats within approximately 6 hours following application. Contact Resinwerks directly for additional application specifics and recommendations.

LIMITATIONS

- » Do Not Freeze
- » Do not apply over concrete experiencing ASR
- » Do not apply to new slabs < 28-days old
- » Do not apply to concrete < 3500 PSI compression strength
- » Do not apply product when ambient or room temperature is below 60°F or over 90°F or if the relative ambient humidity is above 85%.
- » This product is not recommended for immersion service.
- » DEW POINT: Do not apply when dew point is within 5°F of the ambient temperature.

MAINTENANCE

The long-term performance, appearance, and life expectancy of wear surface products are dependent on an adequate routine maintenance program designed specifically for the installed wear surface. Resinous floor coating systems are nonporous, causing dirt and contaminants to remain on the surface. Recommended maintenance programs consist of frequent and thorough cleaning utilizing a neutral PH cleaner. The frequency of washing will vary depending on floor usage type, traffic and age. Please contact your local Resinwerks technical representative for more information.

NOTES

Thoroughly read all Material Safety Data Sheets prior to use and maintain copies on job-site at all times.

Mock-ups and field test areas are strongly recommended in order to validate performance and appearance related characteristics (including but not limited to color, inherent surface variations, wear, anti dusting, abrasion resistance, chemical resistance, stain resistance, coefficient of friction, etc.) to ensure system performance as specified for the intended use, and to determine approval of the coating system.

Variability in job site conditions (including but not limited to surface preparation, sunlight, humidity, dew point, temperature, etc.) during application of Epoxy products may lead to fish-eyes, blistering, pinholes, wrinkling, or out-gassing of air in the concrete and are not product defects.

TECHNICAL ASSISTANCE

PHONE: 720-484-5160

WEB: www.resinwerks.com