

TXP™ TRU® EPOXY PRIMER

Two Component, Alkali Resistant Epoxy Primer



PRODUCT DATASHEET

DESCRIPTION: Rapid Set® TXP™ TRU® EPOXY PRIMER is a 100% solids, high performance, two-component, low VOC epoxy primer. It is designed for use as part of a Rapid Set® TRU® finished flooring system. TXP is moisture tolerant and resistant to elevated pH levels. It is not designed to be a moisture vapor barrier.

SURFACE PREPARATION: TXP is intended for use on prepared concrete. Surface must be dry, porous, clean, sound, and free of oil, curing compounds, dust, mastic and other bond breakers. Mechanically profile the surface by shot blasting or grinding to achieve ICRI Concrete Surface Profile (CSP) 3. Acid etching the concrete surface is not permitted. Upon completion of mechanical preparation, remove all shot, dust, dirt and debris. Rinse all surfaces to be coated with the TXP with clean water via an auto scrubber or similar means, leaving no standing water. When TXP installation is over new concrete, the minimum cure time for the concrete substrate is 5 days prior to surface preparation.

MIXING & APPLICATION: Mix the pail marked Rapid Set TXP Part A for 2 minutes with a drill and paint mixer. Then, add the entire jug of Rapid Set TXP Part B to the entire pail of Part A and mix for an additional 3 minutes. Mix at slow speed (less than 500 rpm) to avoid air entrainment. Ensure that the material from the sides and bottom of the pail has been thoroughly mixed in.

PLACEMENT: Apply the mixed material in a one-coat application using a notched squeegee. Pour the entire mixed TXP kit onto the surface; spread the TXP with the notched squeegee to the appropriate coverage rate of 400 ft² (37 m²) per kit. Back roll the TXP using a paint roller with a 3/8" (9.5 mm) to 1/2" (12.7 mm) nap. Roll perpendicular to the notched squeegee application to achieve a uniform film thickness of 12 mils (0.3 mm). Use a paint brush for hard to reach areas. Immediately broadcast with clean, dry silica sand (#20/#30 mesh) to rejection (approximately 50 lbs to 75 lbs per 100 ft² or 2.4 kg to 3.6 kg per m²). Sweep and vacuum to remove all loose sand after a curing period of 12 to 24 hours. Areas that are bare or not seeded to rejection must be abraded, reprimed, rebroadcast and cured prior to proceeding.

If outgassing is present during placement, work the material into the pores of the concrete using a long handled scrub brush after squeegee application then backroll to achieve a uniform thickness. Surface and ambient temperatures must be between 50°F (10°C) and 85°F (30°C). Maintain ambient conditions for at least 72 hours after system placement.

TXP has a working time of approximately 60 minutes at 70°F (21°C). Lower temperatures will extend the working time and higher temperatures will shorten it.

MOVING JOINTS & CRACKS: TXP should not be used in expansion joints, isolation joints, construction joints or any moving cracks. All moving joints must be honored through the finished floor and filled with an appropriate joint sealant or filler. Dormant cracks may be filled neat with the TXP epoxy. For larger dormant cracks, brush the TXP neat into the crack. Then, mix TXP with fine sand at a ratio of 1.5 parts sand to 1 part TXP by volume, and trowel mixture into the crack. Once cracks have been filled, continue with the application coat of the TXP and subsequent system installation in accordance with product requirements.

OVERVIEW

Highlights:

Moisture Tolerant: Can be used on moist substrates and "green" concrete

Alkali Resistant: Unaffected by elevated pH levels

High Bond Strength: Exceptional adhesion to concrete substrates and overlays

Seals Porous Concrete: Designed to prevent pinholes

Tested in accordance with:

ASTM: D2196, D2240, D695, D790

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03 05 30 Concrete Bonding Agents, Admixtures And Adhesives

Manufacturer:

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OTHER SUBSTRATES: Rapid Set® TXP™ TRU EPOXY PRIMER can be used on properly prepared epoxy coatings, steel, ceramic tile, quarry tile and terrazzo. Consult CTS Cement's Technical Department for installation requirements.

CLEAN-UP: Before TXP has hardened, it can be removed from tools with mineral spirits.

COVERAGE & PACKAGING: TXP is available in 3-gallon kits. Coverage is 400 ft² (37 m²) at 12 mils (0.3 mm) thickness. Coverage rates are approximate and may vary due to the porosity and surface profile of the concrete substrate.

SHELF LIFE: TXP has a shelf life of 18 months when stored properly in a dry location, protected from moisture, out of direct sunlight, and in an undamaged package.

USER RESPONSIBILITY: Before using CTS products, read current technical data sheets, bulletins, product labels and safety data sheets at www.CTScement.com. It is the user's responsibility to review instructions and warnings for any CTS products prior to use. Contact CTS prior to product installation when additional information is required, or when project conditions are not in compliance with specifications and/or installation requirements.

Always comply with subsequent manufacturer's testing and installation requirements when their products are used in conjunction with Rapid Set® TRU® flooring products.

WARNING: AVOID CONTACT WITH EYES AND SKIN. AVOID BREATHING OF VAPORS. FORCED LOCAL EXHAUST IS RECOMMENDED TO EFFECTIVELY MINIMIZE EXPOSURE.

NIOSH approved, organic vapor respirators and forced exhaust are recommended in confined areas, or when conditions (such as heated polymer, sanding) may cause high vapor concentrations. Do not weld on, burn or torch any epoxy material. Hazardous vapor is released when an epoxy is burned. Avoid skin or eye contact. Wash skin with soap and water if contact occurs. If eye contact occurs, flush with water for 15 minutes and obtain medical attention. Read and understand all cautions on container labels and material safety data sheets before using this material. For complete safety information, please refer to product SDS available at www.CTScement.com. KEEP OUT OF REACH OF CHILDREN.

Please refer to the SDS and www.CTScement.com for additional safety information regarding this material.

LIMITED WARRANTY: CTS CEMENT MANUFACTURING CORP. (CTS) warrants its materials to be of good quality and, at its option, will replace or refund the purchase price of any material proven to be defective within one (1) year from date of purchase. The above remedies shall be the limit of CTS's responsibility. Except for the foregoing, all warranties expressed or implied, including merchantability and fitness for a particular purpose, are excluded. CTS shall not be liable for any consequential, incidental, or special damages arising directly or indirectly from the use of the materials.

⚠ WARNING

CANCER and REPRODUCTIVE HARM - www.P65Warnings.ca.gov

TYPICAL PHYSICAL DATA

Components	Resin and Hardener
Color	Off white
Mixed Viscosity, ASTM D2196	830 cP
Working Time	60 minutes
Tack-Free Time	6 to 10 hours
Foot Traffic	12 to 24 hours
Coverage at 12 mil	133 ft ² per gallon

Application Conditions

Ideal Temperature	60°F to 75°F (16°C to 24°C)
Acceptable Temperature	50°F to 85°F (10°C to 29.4°C)

Typical Characteristics

Hardness, ASTM D2240	84 Shore D
Adhesion to Concrete	>500 psi (3.44 Mpa)
Compressive Strength, ASTM D695	11,900 psi (82.0 Mpa)
Flexural Strength, ASTM D790	5,800 psi (39.9 Mpa)
VOC Content	55 g/L

