

TXP™ FAST TRU® EPOXY PRIMER

Two Component, Alkali Resistant Epoxy Primer



PRODUCT DATASHEET

DESCRIPTION: Rapid Set® TXP™ FAST is a 100% solids, high performance, fast-setting, zero VOC epoxy primer. It is designed for use as part of a Rapid Set® TRU® finished flooring system. With TXP FAST, the overlayment may be placed in as little as 6 hours. It has been specially formulated to have excellent substrate wetting capabilities to promote penetration and adhesion. TXP FAST is moisture tolerant and resistant to elevated pH levels. It is not designed to be a moisture vapor barrier.

SURFACE PREPARATION: TXP FAST is intended for use on prepared concrete. Surface must be dry, porous, clean, sound, and free of grease, oil, curing compounds, dust, mastic and other contaminants or 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.

MIXING & APPLICATION: Remove TXP FAST Part B and the liner from the can to reveal TXP FAST Part A. Mix Part A for 2 minutes with a drill and paint mixer. Then, **add the entire contents of Part B to the entire contents of Part A and mix for an additional 2 minutes. Proper proportioning and homogenization are absolutely critical for success; do not attempt to mix partial kits. Use the drill and paint mixer to mix at slow speed (less than 500 rpm) to avoid air entrapment. Do not hand mix.** Ensure that the material from the sides and bottom of the pail has been thoroughly mixed in.

PLACEMENT: Pour the entire mixed TXP FAST kit onto the surface. Spread the TXP FAST with a notched squeegee to the appropriate coverage rate: 400 ft² to 480 ft² (37 m² to 42 m²) at 12 mils to 10 mils (0.4 mm to 0.3 mm) thickness per kit. To achieve a uniform thickness, back roll perpendicular to the squeegee application with a 1/2" (12.7 mm) nap roller. Use a paint brush for hard to reach areas. Immediately broadcast with clean, dry silica sand (#20 or #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 minimum curing period of 6 hours. Areas that are bare or not seeded to rejection must be recoated. Within 24 hours, those areas may be reprimed and rebroadcast. After 24 hours, the floor must be mechanically abraded, primed, broadcast and cured prior to proceeding.

Surface and ambient temperatures must be between 40°F and 100°F (4°C and 38°C). Maintain ambient conditions for at least 72 hours after system placement.

At 70°F (21°C), Rapid Set TXP FAST has a pot life of approximately 15 minutes and a working time greater than 30 minutes. Lower temperatures will extend the pot life and may require additional mixing. Higher temperatures will shorten the pot life.

JOINTS & REPAIRS: TXP FAST 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. Small dormant cracks may be filled with the TXP FAST epoxy. For spalls, prime the surface with TXP FAST. Then, fill the repair with epoxy mortar made with a mixture of 1.5 parts fine sand and 1 part TXP FAST by volume. Once the repair area has been filled, continue with the application coat of the TXP FAST and subsequent system installation in accordance with product requirements.

OVERVIEW

Highlights:

Fast Cure: Ready for overlayment in as little as 6 hours

Easy Application: Excellent working time

User Friendly: No volatile organic compounds (VOC)

High Bond Strength: Exceptional adhesion to concrete substrates

Seals Porous Concrete: Designed to prevent pinholes

Tested in accordance with:

ASTM: D2196, D2240, D695, D790

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03 05 00 Concrete bonding agents, admixtures and adhesives

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OTHER SUBSTRATES: Rapid Set® TXP™ FAST 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 FAST has hardened, it can be removed from tools with denatured alcohol.

COVERAGE & PACKAGING: TXP FAST is available in 3-gallon kits. Coverage is 400 ft² to 480 ft² (37 m² to 42 m²) at 12 mils to 10 mils (0.4 mm to 0.3 mm) thickness. Coverage rates are approximate and will vary due to the porosity and surface profile of the concrete substrate.

SHELF LIFE: TXP FAST 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 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 safety data sheets before using this material.

Appropriate cartridge-type respirator must be used during application in confined areas. **KEEP OUT OF REACH OF CHILDREN.**

PROPOSITION 65 WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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.

TYPICAL PHYSICAL DATA

Components	Resin and hardener
Solids content	100%
Color	Off white
Mixed viscosity (77°F, Brookfield LV-DVE), ASTM D2196	800 cP
Pot life	15 minutes
Tack-free rime	3 hours
Foot traffic	6 hours
Coverage at 10 mil	160 ft ² per gallon

Application Conditions

Ideal temperature	60°F to 75°F
Acceptable temperature	40°F to 100°F
Concrete pH	8-13
MVER (Wet vapor emission rate)	MVER 10 lbs/1000 sq ft per 24 hrs (ASTM F1869)
Relative humidity (RH)	100% (ASTM F2170)

Typical Characteristics

Hardness, ASTM D2240	80 Shore D
Adhesion to Concrete	>500 psi (3.44 MPa)
Compressive strength, ASTM D695	9,850 psi (67.9 MPa)
Flexural strength, ASTM D790	9,680 psi (66.5 MPa)
VOC content	0 g/L

