

TXP™ FAST

Fast Cure, 100% Solids, Two-Component, Alkali Resistant Epoxy Primer



PRODUCT DATASHEET

DESCRIPTION: Rapid Set® TXP™ FAST is a two-component, 100% solids, high performance, fast-setting, epoxy primer. It is designed for use with Rapid Set® TRU® flooring products. TXP FAST has been specially formulated to have excellent substrate wetting capabilities to promote penetration and adhesion. It allows broadcast sand to be well suspended for excellent overlayment adhesion. Overlayment can be placed in 4-6 hours. 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 used on properly 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 to achieve ICRI Concrete Surface Profile (CSP) 3–5. Shot blasting is the best method to prepare the substrate. Acid etching the concrete surface is not permitted. Upon completion of mechanical preparation, remove all shot, dust, dirt and debris. Determine the substrate Moisture Vapor Emission Rate (MVER) per ASTM F1869 prior to placing TXP FAST. Acceptable substrates have an MVER less than or equal to 10 lbs/1,000 sq. ft. per 24 hours and relative humidity less than or equal to 100%.

MIXING: Organize work so that all personnel and equipment are in place before mixing. Mix Part A for 2 minutes with a drill and Jiffy-type paint mixer. **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 Jiffy-type mixer to mix at slow speed (less than 500 rpm) to avoid air entrainment. Do not hand mix.** Ensure that the material from the sides and bottom of the pail has been thoroughly mixed in.

PLACEMENT: Upon completion of mixing, immediately pour the entire mixed TXP FAST kit onto the surface. Mixed material left in the bucket will rapidly generate heat and become unusable. Spread the TXP FAST with a squeegee to the appropriate coverage rate: 133 ft² (12 m²) per gallon at 12 mils (0.30 mm) thickness or 160 ft² (15 m²) per gallon at 10 mils (0.25 mm) thickness. 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–#30 mesh) to rejection [approximately 50 lbs to 75 lbs per 100 ft² (2.4 kg to 3.7 kg per m²)]. Sweep and vacuum to remove all loose sand after a minimum curing period of 4 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 50°F and 100°F (10°C and 38°C). At 70°F (21°C), Rapid Set TXP FAST has a working time of approximately 30–35 minutes. Higher temperatures will shorten the working time. Lower temperatures will extend the working time and may delay the time in which excess sand may be removed.

JOINTS & REPAIRS: Non-moving cracks may be filled with the TXP FAST epoxy. For spalls, prime the surface with TXP FAST, then fill with epoxy mortar made using a mixture of 1 part TXP FAST and up to 5 parts dry, graded sand 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. All moving joints must be

OVERVIEW

Highlights:

Superior broadcast sand suspension properties

Ready for overlayment in 4-6 hours

Low viscosity, deep penetrating

100% solids, low odor, no VOC

High bond strength: Excellent adhesion to concrete

Seals concrete, minimizes pinholes in overlayment

Tested in accordance with:

ASTM: D2196, D2240, D695, D790

MasterFormat® 2016

03 05 00 Concrete bonding agents, admixtures and adhesives

Manufacturer:

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honored through the finished floor and filled with an appropriate joint sealant or filler. TXP FAST should not be used in expansion joints, isolation joints, construction joints or any moving cracks.

CLEAN-UP: Use acetone to remove TXP FAST from tools and surrounding areas before it hardens.

COVERAGE & PACKAGING: TXP FAST is available in 0.8-gallon (3.0 L) and 3-gallon (11.4 L) kits. Coverage is 160 ft² (15 m²) per gallon at 10 mils (0.25 mm) thickness. Coverage rate is 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. Do not allow material to freeze.

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 must be used in confined areas, when conditions (such as heated polymer, sanding) may cause high vapor concentrations, or when applying large volumes. 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.

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' 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: Can expose you to bisphenol a, a reproductive toxicant. See www.P65Warnings.ca.gov.

TYPICAL PHYSICAL DATA

Components	Resin and hardener
Solids content	100%
Color	White
Mixed viscosity (77°F, Brookfield LV-DVE), ASTM D2196	800 cP
Working time	30-35 minutes
Tack-free time	3 hours
Foot traffic	4-6 hours
Coverage at 10 mil	160 ft ² per gallon

All data produced at 70°F (21°C)

Application Conditions

Ideal temperature	60°F to 75°F
Acceptable temperature	40°F to 100°F
Concrete pH	10-13
MVER (Moisture 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



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