

TechPrime E 100%-Solids Epoxy Primer

1 Product Name

TechPrime E 100%-Solids Epoxy Primer

2 Manufacturer

Custom Building Products
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3 Product Description

TechPrime E is a low-viscosity, two-component, 100%-solids epoxy primer for surface preparation before installing an appropriate CustomTech™ underlayment. TechPrime E can be used over concrete and nonporous substrates for underlayment installation, as it penetrates the surface and makes for easy installation. TechPrime E seals and improves that bond of the leveling system.

For professional use only.

Key Features

- For use over non-porous surfaces
- Excellent performance over concrete
- Solvent-free
- Low viscosity formula

Suitable Substrates

- Absorbent concrete
- Non-absorbent concrete
- Lightweight concrete
- Existing ceramic tile
- Epoxy & cement terrazzo
- Exterior grade plywood
- OSB
- Cutback adhesive residue
- Resilient flooring
- Approved moisture control membrane

Composition of Product

Epoxy Resin and Hardener.

Benefits of Product in the Installation

- Use for Interior and Exterior application
- Low viscosity, 100% Solids Epoxy Formula
- Low odor and VOC compliant
- Tenacious bond strength of cured system



Limitations to the Product

- TechPrime E should not be installed at temperatures below 50°F (10°C) or above 90°F (32°C).
- Concrete tensile strength must be greater than 200 psi (1.4 N/mm²).
- MVER of concrete must be less than 3 lbs/day/1000 sq ft (ASTM F1869) or 75% rh (ASTM F2170).
- Substrate must be free of bond-inhibiting or bond-breaking materials such as curing compounds, oil, grease and wax.
- Repair all dormant or non-moving cracks with [Silk](#) or [GenPatch](#) before installation of TechPrime E as a primer.
- Honor all expansion and control joints, through primer and underlayment.

4 Technical Data

Applicable Standards

- Concrete Floor Preparation for Resilient Flooring, ASTM F710
- ASTM C1708 Standard Test Methods for Self-leveling Mortars Containing Hydraulic Cements

Technical Chart

Test	Method	Typical Result
Viscosity at 25°C	CBP SOP 089	550 cP
Work Time at 25°C		30 min
Walkable at 25°C		6 hours
Color		Part A: Clear Part B: Transparent amber
VOC's	AQMD Method 304	62g/l

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute towards LEED® certification.

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5 Instructions

General Surface Prep

USE CHEMICAL-RESISTANT GLOVES, such as nitrile, when handling product.

Surfaces must be structurally sound, clean, dry and free from grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminant that would prevent a good bond. Refer to the appropriate [CustomTech self-leveling underlayment](#) technical data sheet for details on bonding to specific substrates.

Mixing Procedures

TechPrime E is a two component system. Both components (liquids A and B) should be at 70-90°F (21-32°C) prior to mixing. Pour the hardener (Component B) into the resin (Component A) and blend thoroughly using a mixing paddle and slow speed hand drill for 3 minutes. Do not mix at speeds greater than 850 rpm to avoid air entrainment. Do not mix more material than can be used within 30 minutes (working time will be reduced at higher temperatures).

Application of Product

Immediately empty the entire content of mixing container on floor. TechPrime E can be applied by notched squeegee and back roll with short nap roller. Finished coat should be 8-10 mils thick. Make sure that there are no voids or pinholes in the coating. While this coat is still in a fresh state (maximum 30 minutes), broadcast fine, oven dried, graded 30 mesh sand to rejection (generally 1 lb/sq ft) over the entire area. When broadcasting the sand, use a NIOSH- approved dust mask. Do not stand or walk on the freshly applied epoxy when broadcasting the sand. Once the sand broadcast is complete, avoid all traffic over the surface for a minimum of 6 hours.

Curing of Product

After 16 hours, broom sweep and vacuum the surface to remove all loose sand. The clean, prepared surface of the sand is now ready to accept Tech Level Underlayment; no additional priming is required. If the underlayment will not be installed immediately, protect its surface from construction traffic, dirt and debris. Install Tech Level Underlayment in accordance with the printed instructions.

Cleaning of equipment

Clean equipment before material cures. Cured material can only be removed mechanically.

Health Precautions

Avoid breathing of vapors. Forced local exhaust is recommended to effectively minimize exposure. NIOSH approved, organic vapor respirators and forced exhaust are recommended for confined areas, or when conditions may cause high concentration of vapors. Hazardous vapors are released when the epoxy is burned. Avoid skin and 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 label and MSDS before using this material.

Conformance to Building Codes

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

6 Availability & Cost

Location	Item Code	Size	Package
USA/Canada	TECHEK	2.7 gal (10.22 L)	Kit

7 Product Maintenance

Properly installed product requires no special maintenance.

8 Technical Services Information

For technical assistance, contact Custom Building Products' Technical Services.

9 Filing System

Additional product information is available from the manufacturer upon request.

10 Related Products

TechLevel 150 Self-Leveling Underlayment

TechLevel XP-1 Self-Leveling Underlayment

TechLevel 100 Self-Leveling Underlayment

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Coverage

Unit Size	Min Coverage	Max Coverage
2.7 Gal	450 Sq Ft	600 Sq Ft