

# TechPrime™ WE Polymer-Modified Water-Based Epoxy Primer

## 1 Product Name

TechPrime™ WE Polymer-Modified Water-Based Epoxy Primer

## 2 Manufacturer

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## 3 Product Description

TechPrime™ WE is a polymer-modified water-based epoxy primer and sealer that prepares non-porous surfaces such as moisture remediation barriers, ceramic tiles, metals, well-bonded cutback adhesives and plywood or OSB surfaces for the application of an appropriate CustomTech™ or CUSTOM® self-leveling underlayment. It seals porous and non-porous surfaces and improves the bond of the underlayment to the surface.

### Suitable Substrates

Interior Applications Only

- CustomTech™ Tech MVC moisture barrier-coated concrete
- Exterior Grade Plywood and OSB
- Existing ceramic or natural stone tile
- Cutback adhesive residue
- Clean, properly prepared steel and aluminum
- Epoxy and cement terrazzo
- Well-bonded VCT

### Composition of Product

- Part A: Polymer-modified epoxy resin
- Part B: Polymer-modified amine hardener

### Limitations to the Product

Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring or other metals not listed above.

### Packaging

Two-part two gallon kit:

- One gallon Part A
- One gallon Part B

## 4 Technical Data

### Applicable Standards

Concrete Floor Preparation for Resilient Flooring, ASTM F710

### Technical Chart

Property	Result
Mixed color	Translucent Blue
Dry time	1-3 hrs.
Pot life	3 hrs.
Shelf life	1 year
Typical 7-day Tensile Adhesion	
Tech MVC Moisture Vapor and Alkalinity Barrier	> 1100 psi
Porcelain Tile	> 1100 psi
Plywood	> 440 psi
Aluminum	> 475 psi
Steel	> 660 psi
Glazed Ceramic Tile	> 1600 psi

### Environmental Consideration

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

## 5 Instructions

### General Surface Prep

Surfaces must be structurally sound, clean, dry and free from grease, oil, dirt, rust, curing compounds, sealers or any other contaminant that would prevent a good bond. Glossy or painted surfaces must be sanded, stripped and cleaned of waxes, dirt or any contaminants. Plywood flooring, including those under resilient flooring, must be structurally sound and meet all building code deflection requirements. For questions about proper subfloor installation, call Custom Technical Services.

Smooth concrete surfaces, existing glazed tile, terrazzo or polished stone should be well bonded and free of contaminants. Do not sand flooring materials containing asbestos. Ambient temperature, surfaces and materials should be maintained at a temperature between 50° F (10° C) and 95° F (35° C) for 72 hours during application.

### Bonding Over Cured Tech MVC Moisture Vapor and Alkalinity Barrier



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Moisture vapor control epoxy coatings must be fully cured and free of pinholes and blisters before applying TechPrime WE. Do not dilute the primer. Spread with a short nap roller at an approximate coverage rate of 800 to 1200 square feet per 2 gallon kit.

## Bonding to Plywood and OSB Surfaces

Plywood and OSB floors, including those under resilient flooring, must be structurally sound and must comply with all applicable building standards based on floor covering. For questions about proper subfloor installation, call Custom® Technical Services.

## Bonding to existing Ceramic and Natural Stone Tile Floors

Tiles must be well bonded, free of contaminants, wax and sealers.

## Bonding to Smooth Concrete and Cement Terrazzo

Surface must be clean and free of sealers and contaminants.

## Bonding to Cutback and Carpet Adhesive Residues

Adhesive layers must be removed. Use extreme caution; adhesives may contain asbestos fibers. Do not sand or grind adhesive residue, as harmful dust may result. Never use adhesive removers or solvents, as they soften the adhesive and may cause it to penetrate into the concrete. Adhesive residue must be wet-scraped to the finished surface of the concrete. To determine desirable results, do a test bond area before starting. Refer to the RFCI Pamphlet, Recommended Work Practices for Removal of Resilient Floor Coverings, for further information.

## Movement Joint Placement

Expansion joints and cold joints, as described in ANSI A108.01, must be honored. They must be brought through the applied system and filled with an appropriate elastomeric sealant, such as Custom's® 100% Silicone Caulk. Contact Custom's Technical Services for the proper treatment of control or saw cut joints. Refer to TCNA EJ171, F125 & F125A.

## Mixing Ratios

Mix equal amounts of parts A and B (1:1) by volume.

## Mixing Procedures

TechPrime WE is supplied as a two-part unit that consists of one gallon part A (blue color) and one gallon part B (off-white color). Transfer entire contents of part A and part B into a clean 3.5 gallon container. Mix using a jiffy mixing paddle at slow speed (300-500 rpm) for approximate 2 minutes, then stop mixing. Scrape the sides of the container and mix for an additional 30 seconds to obtain a smooth consistency.

## Application of Product

Apply with a paint brush or short nap roller. Apply a thin, even coat; do not allow puddling. Apply or discard excess primer within 3 hours after mixing. Allow to dry to a clear film (1 to 3 hours, depending on ambient conditions) before applying an appropriate CustomTech™ or CUSTOM® self-leveling underlayment. If the self-leveling underlayment is not poured over the primed surface within 24 hrs, re-prime with a very thin coat of TechPrime WE.

## Cleaning of equipment

Clean with water before the material dries.

## Storage

Store in a cool, dry area. Keep from freezing.

## Health Precautions

Contains acrylic emulsion, epoxy resin and amine hardener. Wear suitable gloves and eye protection and use in an area with proper ventilation. Avoid eye contact and contact with skin. If eye contact occurs, flush with water for 15 minutes and consult a physician. If skin contact occurs, wash immediately with soap and water. Dried material is extremely difficult to remove. KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY.

## 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	TECHWEK	2 gallon	Kit



# CUSTOM®

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## 7 Coverage

Size	Min. Coverage	Max. Coverage
1 kit (2 gallons)	800 ft <sup>2</sup> (74.3 M <sup>2</sup> )	1200 ft <sup>2</sup> (111.5 M <sup>2</sup> )



**CUSTOM**®