TechPrime A Acrylic Primer

1 Product Name

TechPrime A Acrylic Primer

2 Manufacturer

Custom Building Products
Technical Services
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3 Product Description

TechPrime A is an advanced acrylic primer and sealer that prepares surfaces for the application of an appropriate Custom® or CustomTech™ self-leveling underlayment. It seals porous and non-porous surfaces and improves the bond of the underlayment to the subsurface.

Suitable Substrates

- Interior Applications Only
- Fully Cured (28 day) Concrete
- Lightweight concrete (>100 lbs/cu ft with compressive strength > 2000 psi)
- CustomTech™ Tech MVC moisture barrier-coated concrete
- Exterior Grade Plywood and OSB
- Existing ceramic or natural stone tile
- Cutback adhesive
- Terazzo

Limitations to the Product

Do not bond directly to hardwood, Luan plywood, particle board, parquet, cushion or sponge-back vinyl flooring, metal, fiberglass or plastic.

Packaging

3.5 gal (13.25 L) Pail

4 Technical Data

Applicable Standards

- Concrete Floor Preparation for Resilient Flooring, ASTM F710
- Moisture Vapor Transmission Rate evaluation, ASTM F1869 and F2170

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, curing compounds, sealers, adhesives 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. Concrete must be cured 28 days and accept water penetration. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should have a broomed or brushed finish to enhance the bond. Plywood flooring including those under resilient flooring must be structurally sound and meet all ANSI and deflection requirements. For questions about proper subfloor installation, call Technical Services. Smooth concrete surfaces, existing glazed tile, terrazzo or polished stone should be roughened or scarified. 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 to Concrete Surfaces

Concrete must be cured 28 days. Concrete must be free of efflorescence and not subject to a hydrostatic pressure or moisture vapor transmission rate exceeding floor covering manufacturer's recommendations. Concrete slabs should have a broom or brushed finish to enhance the bond. Concrete must accept water penetration. Test by sprinkling water on various areas of the substrate. If water penetrates, then surface is ready for the primer; if water beads, surface contaminants are present, and loss of adhesion may occur. Contaminants should be mechanically removed before installation.

Bonding to Plywood Surfaces

Plywood 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, contact Custom's® Technical Services.

Published Date: 2/4/2019

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Bonding to Cutback Adhesive

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, leaving only the transparent staining from the glue. 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.

Bonding Over Cured Tech MVC Moisture Vapor and Alkalinity Barrier

Moisture vapor control epoxy coatings must be fully cured and free of pinholes and blisters before applying TechPrime A. Do not dilute the primer. Spread with a short nap roller at an approximate coverage rate of 400 square feet per gallon.

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

Stir and use undiluted for non-porous surfaces.

Dilute up to 3 parts water to 1 part primer with clean, potable water for highly porous concrete surfaces.

Mixing Procedures

Since settling may occur, stir using a low speed (300 rpm) power mixer; do not over-mix and do not entrain air.

Application of Product

Apply with a paint brush, short nap roller or a soft push broom. Apply a thin, even coat; do not allow puddling. Allow to dry to a clear film (1 to 3 hours, depending on ambient conditions and dilution) before applying an appropriate Custom® or CustomTech™ self-leveling underlayment. Highly porous concrete surfaces may require a second coat of diluted primer.

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. Wear suitable gloves and eye protection. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. 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

Contact the manufacturer or visit custombuildingproducts.com for information about product cost and availability.

Location	Item Code	Size	Package
USA/Canada	TECHA	3.5 gal (13.25 L)	Pail

7 Product Warranty

Custom® Building Products warrants to the original consumer purchaser that its product shall be free from defects in material and workmanship under normal and proper usage for a period of one year following the date of original purchase. Custom's® sole liability under this warranty shall be limited to the replacement of the product. Some states, countries or territories do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty will not extend to any product which has been modified in any way or which has not been used in accordance with Custom's® printed instructions. Custom® makes no other warranties either expressed or implied. This warranty gives you specific legal rights, and you may have other rights that vary from state to state or from one country/ territory to another. Visit the warranty page for details and complete warranty information.

8 Product Maintenance

Properly installed product requires no special maintenance.

9 Technical Services Information

For technical assistance, contact Custom® Technical Services.

10 Filing System

Additional product information is available from the manufacturer upon request.

Related Products

CustomTech™ TechLevel™ 150 Self-Leveling Underlayment

CustomTech™ TechLevel™ XP-1™ Self-Leveling Underlayment

Published Date: 2/4/2019

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Coverage

SQUARE FOOT COVERAGE PER GALLON (SQUARE METER PER 3.79 L) OF PRIMER BEFORE DILUTION

Surface Type	Dilution	Min Coverage	Max Coverage
Non-Porous	Undiluted	400 sq ft (37.16 M²)	
Porous	1:1 (primer:water)	300 sq ft (27.87 M²)	600 sq ft (55.74 M²)
Porous	1:2 (primer:water)	450 sq ft (41.81 M²)	900 sq ft (83.61 M²)
Porous	1:3 (primer:water)	600 sq ft (55.74 M²)	1200 sq ft (111.48 M²)

NOTE: Coverage will vary depending on technique and substrate porosity.

Published Date: 2/4/2019