

## 1. PRODUCT NAME

Tenon<sup>®</sup> Level-Flo<sup>®</sup> Primer Pro

## 2. MANUFACTURER

Bluestone Products, a TCC Materials<sup>®</sup> company  
2025 Centre Pointe Blvd.  
Mendota Heights, MN 55120 USA

Phone: 1.651.688.9116

Fax: 1.651.688.9164

Internet: [tccmaterials.com](http://tccmaterials.com)

## 3. PRODUCT DESCRIPTION

Tenon<sup>®</sup> Level-Flo<sup>®</sup> Primer Pro is a high quality vinyl acetate-ethylene copolymer based primer used with Tenon<sup>®</sup> Level-Flo<sup>®</sup> self-leveling products. Level-Flo<sup>®</sup> Primer Pro is applied to non-porous and porous surfaces as a substrate primer to promote bonding. This primer can also be used with other cement-based Tenon<sup>®</sup> concrete repair, surface preparation, and polymer-modified thin set mortars to enhance bonding to difficult substrates such as glazed ceramic tile, terrazzo, gypsum based underlayments, concrete treated with certain types of curing compounds (acrylic resin or silicate curing compounds only), well bonded epoxy coatings, and cold rolled steel. Use of Level-Flo<sup>®</sup> Primer Pro is required before placing Tenon<sup>®</sup> Level-Flo<sup>®</sup> Underlayments or Wear Toppings.

### Features and Benefits

- Promotes bonding to difficult substrates
- Concentrated, dilute at job site
- Enhances self-leveling flow and underlayment adhesion
- Solvent free
- Multi-Purpose primer

### Uses

**Can be used over properly prepared interior applications including:**

- Concrete, including burnished concrete
- Cement terrazzo
- Cement backer board (CBU or cement board)
- Existing ceramic tile
- Gypsum based underlayments
- APA rated exterior grade/exposure 1 plywood or OSB underlayment grade equivalent
- Properly prepared cutback and residual carpet adhesive
- Fully adhered resilient flooring (VCT or non-cushioned sheet goods, single layer, well bonded to approved substrate)
- Epoxy coatings (well bonded only)

## • SAFETY

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS information is available on our website: [tccmaterials.com](http://tccmaterials.com) or contact TCC Materials<sup>®</sup> at 651-688-9116 (7:30 AM to 4:00 PM, M-F, Central US Time).

## CAUTIONS

Read complete cautionary information printed on product container prior to use.

This Product Data Sheet has been prepared in good faith on the basis of information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of the covered Tenon<sup>®</sup> brand product (s) under normal environmental and working conditions. Because each project is different, neither Tenon<sup>®</sup> nor TCC Materials<sup>®</sup> can be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

## 4. TECHNICAL DATA

Typical Values • Tenon <sup>®</sup> Level-Flo <sup>®</sup> Primer Pro	
Color Wet/Dry	White / Clear
Density	8.84 lb./gal. (1.03 kg/L)
Drying Time	1-3 Hours at 70°F (21°C)
Flash Point	None
Flammability	Non-flammable
Additional Information	Do not freeze

### Packaging

- 1 gal. (3.78 L) bottle - (BOM# 129436)
- 5 gal. (18.93 L) pail - (BOM# 129438)

### Shelf Life

Do not allow the product to freeze. Best when used within 12 months from the date of manufacture when stored in the original, unopened container, away from moisture, under cool, dry conditions, protected from freezing, and out of direct sunlight.

## 5. INSTALLATION

### Preparation

Level-Flo® Primer Pro should be acclimated to temperatures between 50°F-70°F (10°C-21°C) 24 hours prior to and 48 hours after installation. The substrate must be structurally sound and free from all contaminants such as dust, dirt, grease, paint, and any foreign material that may inhibit adhesion. Minimum tensile bond strength of 72 psi (0.5 MPa) is required. Refer to topping product Technical Data Sheet for detailed preparation instructions for each substrate.

#### Concrete Substrates

- Concrete must be fully cured (28 days minimum), free of efflorescence, and not subject to hydrostatic pressure or moisture condensation.
- When applying over concrete curing compounds, Level-Flo® Primer Pro can be applied over concrete treated with silicate or acrylic resin curing compounds only. With silicate curing compounds, remove all residual salts. Evaluate bond strength by first installing a sample test area. Minimum tensile bond strength of 72 psi (0.5 MPa) is required.
- Petroleum based or wax emulsions and dissipating curing compounds are not acceptable substrates; they must be removed by mechanical means such as shot blasting or grinding.

#### Adhesive Cutback Residue Over Concrete

- Tenon® Level-Flo® Underlayments and Wear Toppings may be installed over properly prepared cutback and carpet adhesive residue that is on concrete only. All adhesive residues must be non-soluble when put in contact with water.
- Before proceeding, test the adhesive residue for water solubility. Water soluble adhesive must be removed mechanically to achieve a clean concrete surface.
- Cutback adhesive residue must be scraped to as thin a layer as possible and no longer be tacky. Any adhesive residue must be sound and well bonded to the concrete surface.
- Reference Tenon® Level-Flo® Underlayments or Tenon® Level-Flo® Wear Topping TDS for more detailed information for the substrate requirements and preparation instructions.
- Use Level-Flo® Primer Pro over adhesive residues.

#### Non-Porous Substrates

- Level-Flo® Underlayments may be installed over non-porous substrates such as well-adhered epoxy coatings, existing ceramic tile, quarry tile, and bur-nished concrete. Level-Flo® Underlayments may also be applied over VCT and non-cushioned vinyl sheet goods if they are a single layer only and well-bonded to a substrate approved for the finished flooring.
- All substrates must be structurally sound and free from all contaminants such as dust, dirt, grease, and any foreign material that may inhibit adhesion.

- Vacuum thoroughly, removing all dust and other loose contaminants before applying the Level-Flo® Primer Pro.

#### Wood Subfloors

- For use on residential and light commercial applications.
- APA rated exterior grade/exposure 1 plywood or OSB underlayment grade equivalent

Note: It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

#### Job Mockups

The manufacturer requires that when its Tenon® products are used in any application or as part of any system that includes other manufacturers' products, the contractor and/or design professional shall test all the system components collectively for compatibility, performance and long-term intended use in accordance with pertinent and accepted industry standards prior to any construction. Written documentation of the tests performed shall be satisfactory to the design professional and contractor. Test results must include the means and methods of application, products used, project-specific conditions being addressed, and standardized tests performed for each proposed system or variation.

#### Mixing

- Gently stir Tenon® Level-Flo® Primer Pro before use.
- Always use clean tools and mixing containers.

Level-Flo® Primer Pro is diluted with clean, potable water using the following chart:

Substrate	Primer Pro to Water Ratio	Coverage Sq. Ft. per Gallon
Porous Concrete * (two coats may be required for highly porous substrates)	Primer Pro 1:3	410 Sq. Ft. / Gal (38.1 m2)
Gypsum Underlayments (two coats required, ratios 1:4 and 1:2)	Primer Pro 1:4 / 1:2	410 / 330 Sq. Ft. / Gal (38.1 / 30.7 m2)
Plywood	Primer Pro 3:1	250 Sq. Ft. / Gal (23.2 m2)
Plywood Peel & Stick Applications	Primer Pro 1:1	330 Sq. Ft. / Gal (30.6 m2)
Non-Porous Substrates / Ceramic Tile / Terrazzo / VCT / Linoleum / Steel / Epoxy / Concrete Curing Compounds**	Full Strength	140 Sq. Ft. / Gal (13 m2)

\*Second coat is required if initial application is rapidly absorbed and dries in less than 1 hour. For second coat, primer to water ratio is 1:2.

\*\* Acrylic resin or silicate curing compounds only.

## Application

Apply to surfaces that are frost free and between 50°F-70°F (10°C-21°C) for 24 hours prior and 48 hours after application. Refer to "Mixing" section for water dilution ratios based on substrate.

1. Apply an even, continuous film using a brush or short nap roller for non-porous surfaces or a soft push broom for porous surfaces. Leave no bare spots, puddles, or excess primer.
2. Under ideal conditions (70°F/21°C with 50% RH), Primer Pro dries in 1-3 hours. Cures to a transparent color. Test product to be sure it is cured/fully dried by placing a droplet of clean water on the surface and rub with fingertip. If water remains clear, the Primer Pro is fully dried; if water turns cloudy, the Primer Pro is not dry. Repeat process every 30 minutes until water remains clear.
3. Level-Flo® Primer Pro must be completely dry before installing Tenon® Level-Flo® Underlayments or Level-Flo® Wear Toppings.
4. Protect primed substrate from foot traffic. Level-Flo® Primer Pro must be reapplied if not covered within 24 hours or if it becomes contaminated by other trades.

## Cleaning

Use water to clean all tools immediately after use. Dried material must be mechanically removed.

## Limitations

- Do not allow to freeze. Store dry at 40°F-95°F (4°C-35°C).
- Do not use below 50°F (10°C).
- Do not install over dimensionally unstable substrates such as particle board, luan, asbestos, or chip board.
- Reapply primer if first application is allowed to dry past 24 hours or if the floor has become contaminated by traffic or other trades.
- Do not apply over standing water or in areas subject to hydrostatic pressure
- Not recommended for areas of continuous water exposure such as showers or steam rooms.
- Not a wear surface.
- For exterior applications, contact TCC Materials®.

## Coverage

- Refer to Mixing section chart for Primer Pro coverage estimates per gallon. Coverage will vary with porosity of substrate.

## 6. AVAILABILITY

To locate Tenon® products in your area, please contact:

Phone: 1.651.688.9116  
Email: info@tccmaterials.com

## 7. WARRANTY

Seller warrants that its product will conform to and perform in accordance with the product specifications. The foregoing warranty is in lieu of all other warranties, expressed or implied, including, but not limited to those concerning merchantability and fitness for a particular purpose. Because of the difficulty in ascertaining and measuring damages hereunder, it is agreed that Seller's liability to the Buyer shall not exceed the total amount billed and billable to the Buyer for the product hereunder.

## 8. MAINTENANCE

Not applicable.

## 9. TECHNICAL SERVICES

Technical Assistance:

Information is available by calling TCC Materials® (hours 7:30 AM to 4:00 PM, M-F, CST):

Phone: 1.651.688.9116  
Email: info@tccmaterials.com  
Web: tccmaterials.com

Technical and Safety Literature:

To acquire technical and safety literature, please visit our website at: tccmaterials.com.

## 10. FILING SYSTEM

Division 9



Bluestone Products  
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