

1. PRODUCT NAME

Tenon® Conproco® Foundation Coat

2. MANUFACTURER

TCC Materials®
2025 Centre Pointe Blvd.
Mendota Heights, MN 55120 USA
Phone: 651.688.9116
Web: tccmaterials.com

3. PRODUCT DESCRIPTION

Tenon® Conproco® Foundation Coat trowel or spray applied, fiber reinforced, Portland cement based, structural coating.

Features and Benefits

- Waterproof barrier; passes CRD-48 (resistance to hydrostatic pressure)
- Stops radon infiltration
- Resistant to weathering action, excellent freeze/thaw stability and abrasion resistance.
- Allows moisture to diffuse, preventing damage from moisture build-up in wall system.
- Can provide structural support when applied to both sides of dry stacked concrete block to form a complete wall system.
- Can be finished smooth or textured on the above-grade portion of foundation to enhance overall appearance.
- Can be used on interior foundation walls for added protection with a plaster finish.
- IRC & IBC approved for structural wall system waterproofing.

When/Where to Use

- Permanent positive side waterproofing of below-grade concrete block walls
- Structural wall systems & waterproofing

4. TECHNICAL DATA

Typical Values • Conproco Foundation Coating	
Setting Time by Vicat Needle (ASTM C191)	Initial: 60 minutes Final: 270 minutes
Durometer Hardness (ASTM D2240)	60-70
Resistance to Hydrostatic Pressure (CRD-48-73)	Passes at 46 ft. (20 psi) maximum of test
Length Change (ASTM C157)	< 500 μ strains @ 28 days
Compressive Strength—psi (ASTM C109)	7 days: 3,325 psi 14 days: 3,500 psi 28 days: 4,240 psi
Compressive Strength—psi with 2 quarts of K-88 Admix	7 days: 5,550 psi 14 days: 6,050 psi 28 days: 6,490 psi
Tensile Strength—psi (ASTM C307)	7 days: 560 psi 14 days: 620 psi 28 days: 680 psi

Allowable Design Stress Based on Gross Area of the CMU (IBC)

Compressive Strength—psi	
Standard Block	45 psi
Ground Block	85 psi
Shear Stress	10 psi
Tensile Stress in flexure, vertical span	18 psi

Available Sizes

- 50 lb. bag (BOM #115247)

Coverage

- 50 ft.² / 50 lbs. @ 1/8 inch

5. INSTALLATION

Preparation

Read all directions before starting work. Proper surface preparation is crucial to achieving a successful application.

1. Remove loose and deteriorated material, laitance, dirt, dust, oil, and any surface contaminants that will inhibit proper adhesion.
2. Repair spalled areas, static cracks, and voids with Conproco® Conpro Set, Conproco® ISR VO or Conproco® Foundation Coat.
3. Substrate should have open-pored and textured surface.
4. Saturate substrate with clean water, (saturated surface dry/SSD). Wall should be wet when Foundation Coat is applied.
5. For best results on concrete, grind or abrasive blast (CSP 3). Refer to ICRI Surface Preparation Guide 03732 for information about Concrete Surface Profile (CSP).

Priming

- No priming is required under normal circumstances.

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

Mixing

1. Mechanically mix using a low speed drill (400-600 rpm) and mixing paddle or mortar mixer
2. Pour 5-1/4 quarts of potable water into a clean mixing vessel and slowly add all of the powder.
3. Mix continuously for 3 minutes to a uniform, lump-free consistency.
4. Add up to 1 pint of additional water if needed.
5. Allow to "breathe" for 1 minute and remix for 1 minute. This will improve workability and open time.
6. Do not over mix, as this will entrain air and cause damage to the glass fibers.
7. Replace 1 quart of water with 1 quart of Conproco® K-88 Admix when applying additional coats.

Application

1. At the time of application, surfaces should be saturated surface dry (SSD) but hold no standing water.

2. Trowel or spray apply material to a uniform minimum of $\frac{1}{8}$ inch.
3. Cove material at junction of wall and slab to prevent water entry.
4. Apply with a vertical motion and finish with a horizontal motion.

Curing

Keep damp with a fine mist of water for 24 hours. Protect from direct sunlight, wind, rain, and frost during curing period.

Clean Up

Clean tools and equipment with water immediately after use. Cured material must be removed mechanically.

Limitations

1. Do not apply unless substrate and ambient temperature can be maintained at a minimum of 40°F for 24 hours. Refer to ACI Cold Weather Applications Guidelines.
2. Cold mixing water and low temperature will retard set. Hot water and high temperature will accelerate set.
3. Protect application from precipitation and high wind for at least 8 hours.
4. Do not add more water than specified.
5. Do not re-temper as this will damage the fiber glass reinforcing.
6. Avoid overworking material during placement.
7. Over mixing will cause damage to the fiber glass reinforcing.
8. Do not ingest.
9. Avoid breathing dust.
10. Avoid contact with skin & eyes.

Safety

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS information is available on our website: tccmaterials.com

- In case of skin contact, wash thoroughly with soap and water.
- For eye contact, flush immediately with a high volume of water for at least 15 minutes and contact a medical professional
- For respiratory problems, remove person to fresh air.

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 brand product(s) under normal environmental and working conditions. Because each project is different, TCC Materials cannot be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

6. AVAILABILITY

To locate Tenon products in your area, please contact:

Phone: 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.

Shelf Life	12 months when properly stored
Storage Conditions	Transport and store in cool, clean, dry conditions in unopened containers. High temperature or high humidity will reduce shelf life.
Color	Gray
KEEP PRODUCT IN CONTAINER FROM FREEZING	
WARNING: INJURIOUS TO EYES	
KEEP OUT OF REACH OF CHILDREN	



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