

1. PRODUCT NAME

Tenon® Conproco® Conpro Super Seal

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® Conpro Super Seal is a capillary/crystalline slurry, for positive and negative side waterproofing of concrete structures. It can be spray or brush applied, and a 2 coat application will withstand 57 ft. hydrostatic pressure. It also stops radon infiltration and will not cause damage to existing structures. It is ideal for waterproofing concrete tunnels, storage tanks, foundations, and wastewater storage areas.

Features and Benefits

- Waterproofing materials
- Permanent
- Durable
- Very low permeability
- Radon barrier
- Breathable
- 2 colors

When/Where to Use

- Tunnels
- Storage tanks
- Foundations
- Wastewater storage

4. TECHNICAL DATA

Typical Values • Conproco Conpro Super Seal	
Physical state & appearance	Fine, gray or white powder and admixture.
Base	Powder- Portland cement Liquid - Milky, viscous liquid
pH	> 12
Liquid/cement ratio	0.45
Density	Wet mix- 93 lbs./ft. ³ Hardened- 100 lbs./ft. ³
Pot life	20-40 minutes
Durometer hardness (ASTM D2240)	80-85
Water penetration and leakage (ASTM E514)	100% reduction in leakage
Resistance to hydrostatic pressure (CRD-48-73) Concrete Block	57 ft.- 2 coats 103 ft.- 3 coats

Typical Values Cont. • Conproco Conpro Super Seal cont.

Compressive strength - psi (ASTM C109)	7 days- 5,775 psi 14 days- 6,125 psi 28 days- 6,350 psi
Tensile strength - psi (ASTM C307)	7 days- 230 si 14 days- 420 psi 28 days- 450 psi

Available Sizes

- 50 lb. kit: plastic pail contains 50 lbs. of powder and 22 oz. of admix.
- 50 lb. Super Seal White Kit (BOM 115894)
- 50 lb. Super Seal Gray Kit (BOM 115895)

Coverage

Actual coverage will vary depending on substrate porosity. Test application should be applied to determine actual coverage, number of applications required and compatibility with substrate.

Typical coverage

- 150 ft²/50 lbs. @ 50 mils.

5. INSTALLATION
Preparation

1. Read all directions before starting work. Proper surface preparation is crucial to achieving a successful application.
2. Grind or abrasive blast (CSP 3) concrete to achieve an open-pored surface. This is essential to allow the crystalline structure to grow into the cement capillaries. Refer to ICRI Surface Preparation Guide 03732 for information about Concrete Surface Profile (CSP).
3. Stop active leaks with ProMasonry Hydraulic Plug.
4. Saturate substrate with clean water, (saturated surface dry/SSD). Wall should be wet when Conpro Super Seal is applied.

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 quarts of potable water and 1 container of Conpro Super Seal Admix into a clean mixing vessel and slowly add all of the powder.
3. Mix continuously for 3 minutes to a uniform, lump-free, slurry-like consistency. Add up to 2 pints of additional water if needed.
4. Allow to "breathe" for 1 minute and remix for 1 minute. This will improve workability and open time.
5. Do not over mix, as this will entrain excess air.
6. Do not re-temper.

Application

Walls

1. At the time of application, surfaces should be saturated surface dry (SSD) but hold no standing water.
2. Clean and pre-stripe non-structural cracks (up to $1/16$ inch) with one 4 inch wide, 50 mils. application of material.
3. Dynamic cracks, joints and transitions (wall-to-slab) must be properly detailed with a closed cell backer rod and polyurethane sealant. Refer to SWRI Sealants, The Professionals' Guide.
4. Apply 4-6 inch wide stripe of material over cured sealant. Embed mesh fabric while material is plastic.
5. Apply a 50 mils. coat over the entire surface with a stiff bristle brush or spray.
6. Work the first coat into the substrate using a circular or figure 8 pattern to fill all voids and pores. Do not exceed 60 mils. per coat.
7. Apply a second coat once the first coat is thumb-print hard.
8. For trowel applied applications, reduce the water demand to achieve a mortar-like consistency.

New Concrete Slabs

1. Broadcast Conpro Super Seal powder in 2 passes at 90° to each other to ensure uniform coverage of $2 \frac{1}{4}$ - $2 \frac{1}{2}$ lbs./yd.² ($\frac{1}{4}$ lbs. per ft.²) during the floating process.
2. Mix 1 part Conpro Super Seal Admix with 5 parts water.
3. Apply mixture uniformly with a low pressure sprayer.
4. Finish as specified for concrete finishing

Curing

Walls

1. Mist cure 3-4 times per day for 3 days or moist cure with wet burlap and polyethylene for 3 days.
2. Protect repair from direct sunlight, wind, rain and frost during curing period.

New Concrete Slabs

1. Dampen with a fine mist of water for 24 hours or moist cure with wet burlap and polyethylene. Alternatively, apply ProMasonry Cure & Seal.
2. 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 45°F for 24 hours. Refer to ACI Cold Weather Application 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 apply over active leaks.
6. Treat leaks first with ProMasonry Hydraulic Plug.

Safety

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

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 in unopened containers.
Storage Conditions	Store dry, cool (40°F - $<90^\circ\text{F}$ / 4°C - $<32^\circ\text{C}$), out of direct sunlight.
Color	Gray or White
KEEP PRODUCT IN CONTAINER FROM FREEZING	
WARNING: INJURIOUS TO EYES	
KEEP OUT OF REACH OF CHILDREN	



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