

1. PRODUCT NAME

Tenon® Conproco® Elastideck

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® Elastideck is a roller or squeegee applied, acrylic modified, cementitious, flexible, waterproof membrane. Available in 14 standard colors.

Features and Benefits

- Flexible; able to bridge minor cracking
- Positive side waterproofing membrane requires two coats
- Available in 14 colors to complement surroundings
- Resistant to weathering action, excellent freeze/thaw stability and abrasion resistance.
- Resistant to deicing salts, chloride, and chemical attack, and environmental pollution
- Will not cause damage to structure by restricting moisture vapor flow; ideal for slab-on-grade
- Pre-measured, pigmented liquid with powder in one container for consistent performance

When/Where to Use

- Balconies
- Walkways
- Planters
- Parapets

4. TECHNICAL DATA

Typical Values • Conproco Elastideck	
pH (wet mix)	>12
VOC (ASTM D3960)	<0.15 lbs./gal. (per mixed kit)
Setting Time (ASTM C953)	Initial 120 min. - Final 300 min.
Elongation (ASTM D2370)	180%
Water vapor transmission (ASTM E96)	8-10 perms
Resistance to hydrostatic pressure (CRD-48-73)	100% reduction
Accelerated weathering (ASTM C1519)	2000 hours – no effect
Taber abrasion resistance (ASTM C1353)	2,000 cycles, less than 0.8% weight loss (H22 wheel with 500 grams of weight)
Tensile strength – psi (ASTM C307)	810
Mandrel bend test (ASTM D552)	1/8 in. @ 68°F and 27°F

Available Sizes

- 25 lb. kit: plastic pail contains 12.5 lbs. of powder and 1¼ gallons of admix Standard Kit, Color (BOM #115415)

Coverage

- 80 ft² / 25 lbs. kit per coat @ 50 mils.

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. Remove a minimum 1/16 inch of surface (CSP 5) by abrasive blasting, steel shotblasting, scarifying, needle-scaling or high pressure water.
3. Avoid brushing or micro cracking during surface preparation. Refer to ICRI Surface Preparation Guide 03732.
4. Apply Conproco® Start where a consolidant is of benefit.
5. Saturate substrate with clean water, (saturated surface dry/SSD), with no standing water during priming or application.
6. 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. Thoroughly shake Elastideck admix to disperse the pigment.
3. Pour Elastideck admix into a clean mixing vessel and slowly add all of the powder.
4. For smaller batches, the proper mix ratio is 1 part powder to 1 part admix.
5. Mix continuously for 3 minutes to a uniform, lump-free consistency.
6. Do not over mix, as this will entrain excess air.
7. Do not re-temper.
8. Elastideck has a pot life of 10-15 minutes. For best results, pre-plan work to be within pot life.

Application

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.
4. Do not apply Elastideck over sealant joints. Wipe clean any sealants overcoated during application (or apply sealants after Elastideck install).
5. Apply a 50 mils. coat over the entire surface with a heavy nap roller, squeegee. Use a Wet Mil Gauge to check thickness.
6. Option: Apply two 30 mils coats using a ½" nap roller for waterproofing, longer service life and more consistent texture.
7. Work material into substrate to promote proper adhesion.
8. Do not exceed 60 mils. per coat.

Application cont.

9. Do not overwork the finish.
10. Optional—Elastideck must cure to a point that it will accept light foot traffic prior to application of Conproco® Super Color Stain (approximately 24 hours @ 70°F and 50%RH).
11. Apply Super Color Stain in the same color as Elastideck to provide added protection, color uniformity and stain resistance.

Curing

Protect repair 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 Applications Guidelines.
2. Protect application from precipitation and high wind for at least 24 hours.
3. Do not place rubber mats or equivalent on Elastideck for 14 days.
4. Do not add water.
5. Do not re-temper polymer-modified materials.
6. Avoid overworking material during placement.
7. Do not ingest.
8. Avoid breathing dust.
9. Avoid contact with skin and 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	18 months in unopened containers.
Storage Conditions	Transport and store in cool, clean, dry conditions in unopened containers. High temperature or high humidity will reduce shelf life. Protect from freezing.
Color	See Masonry Series Color Card
KEEP PRODUCT IN CONTAINER FROM FREEZING	
WARNING: INJURIOUS TO EYES	
KEEP OUT OF REACH OF CHILDREN	



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