

1. PRODUCT NAME

Tenon™ Rub-Pro®

2. MANUFACTURER

TCC Materials®

2025 Centre Pointe Blvd.
Mendota Heights, MN 55120 USA

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3. PRODUCT DESCRIPTION

Tenon™ Rub-Pro® is a polymer-modified, Portland cement-based, interior and exterior resurfacer designed for smoothing and filling vertical and overhead concrete and masonry surfaces.

Features and Benefits

- Interior/Exterior
- Featheredge to ½ in. (1.5–13 mm)
- Excellent bond to old or new concrete
- Self curing
- Non-shrink finish
- No primer needed
- Excellent coverage and easy to use
- Vertical and overhead applications

Uses

Interior or exterior concrete walls including:

- Masonry block
- Poured in place concrete
- Tilt-up panels
- Precast structures

Fill in surface defects including:

- Bug holes
- Honeycombs
- Cracks

SAFETY

READ THE SAFETY DATA SHEET (SDS) BEFORE USING THIS PRODUCT. SDS information is available on our website: tccmaterials.com or contact TCC Materials® 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™ brand product (s) under normal environmental and working conditions. Because each project is different, neither Tenon™ nor TCC Materials® can be responsible for the consequences of variations in such conditions, or for unforeseen conditions.

4. TECHNICAL DATA

Typical Values • Rub-Pro	
Water Level	3 qt./ 25 lb.
Working Time @ 70°F (21°C)	25–35 minutes
Compressive Strength – ASTM C928	
28 days	3,500 psi (24.1 MPa)

Note: Test results obtained under controlled laboratory conditions at 73°F (22.7°C) and 50% relative humidity. Tested using 3 qt. (2.8 L) water per 25 lb. (11.3 kg) powder. Reasonable variations can be expected due to atmospheric and job site conditions.

LEED® Eligibility¹

- Recycled Materials (MR-c4)
- Regional Materials (MR-c5)
- Low-Emitting Materials (IEQ-c4.1)

Packaging

- Light Gray 25 lb. (11.3 kg.) bag (BOM #128180)
- Light Gray 25 lb. (11.3 kg) pail (BOM #121153)

Shelf Life

18 months from the date of manufacture when stored in the original, unopened container, away from moisture, under cool, dry conditions and out of direct sunlight.

5. INSTALLATION

Preparation

All materials should be conditioned to 40°F–80°F (4°C–27°C) 24 hours prior to installation.

- All interfacing surfaces must be sound, clean, free of loose damaged concrete, oil, paint, dust, dirt and other contaminants that will interfere with bond. Remove all form release coatings and existing sealers.

Preparation (Cont.)

- If needed, adjoining surfaces must be mechanically cleaned through grinding, wire brushing or sand blasting. Do not use chemical means to prepare the substrate.
- Areas should be saturated surface dry (SSD) with no standing water remaining before applying Rub-Pro. Surface receiving Rub-Pro should not be frost covered and above 40°F (4°C).

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

1. For each 25 lb. (11 kg) of Rub-Pro, add 3–5 qt (2.8– 4.7 L) of potable water into a clean container
2. Use the amount of potable water consistent with the desired workability:
 - » 3 qt. (2.8 L) Trowelable application
 - » 4 qt. (3.7 L) Sponge application
 - » 5 qt. (4.7 L) Brush application
3. For smaller quantities, pro-rate the ingredients accordingly. Add the powder to the water while mixing for at least 3 minutes to a lump free consistency.
4. Rub-Pro can be mixed by hand; however the use of a heavy –duty drill and mixing paddle produces the best results.

Application

Ideal application conditions are when air, material and substrate temperatures are between 40°F–100°F (4°C–38°C) within 24 hours of application and when rain is not expected within 12 hours.

- Rub-Pro is not formulated with aggregates that are gritty and interfere with featheredging or smooth surfaces. The paste like consistency is user friendly and fills in all gaps, holes and depressions. Using a steel trowel, apply enough pressure and material to slightly over fill all voids and then touch ups can be made to correspond to the adjacent profile.
- This can be accomplished by employing a damp sponge, trowel or rubber float after initial set has taken place. If needed a second coat can be applied before the first application sets up.
- Deeper areas and cool temperatures will extend hardening time. Working time at 70°F (21°C) will be approximately 30 minutes. Hot weather and conditions above 80°F (27°C) will reduce working time and accelerate set, while cold temperatures below 60°F (16°C) will have a retarding effect.

Curing

- Rub-Pro is self curing. Allow to cure 16 – 24 hours before covering.
- Under extreme heat or wind conditions the use of a water-based curing compound is recommended. Refer to American Concrete Institute Procedure No. 308.
- Due to the natural variations in Portland cements, slight color differences may appear. Should this be unacceptable an opaque sealer is recommended.

Cleaning

Use clean potable water to clean all tools immediately after use. Dried material must be mechanically removed. Use a waste water hardener (e.g. Conglez™ or similar product) for cementitious waste disposal

Limitations

- Do not install when the substrate or ambient temperature is below 40°F (4°C) or above 100°F (38°C).
- Do not overwater or retemper after mixing.

Coverage

- 1 lb. (0.5 kg) of Rub-Pro covers approximately 2 sq. ft. at ¼ in. (0.2 m² at 3 mm). Actual coverage depends on the substrate surface.

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 3

¹Tenon™ products can contribute to LEED® credits within the Material Resource, (Recycled Content & Regional Materials) and Indoor Environmental Quality (Low Emitting Materials).



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