TENON®

Rapid Strength Horizontal Repair

Fast-setting patching material

Tenon® Rapid Strength Horizontal Repair is a high strength, fast-setting, non-shrink patching material for commercial and industrial concrete horizontal surfaces, as well as concrete pavements and highway applications.

Features:

- Initial set time of 15 minutes
- Air-entrained
- Applications from ½" - 6"
- Excellent freeze/thaw & salt resistance properties
- High strength; exceeds 4,000 psi in 3 hours
- Non-shrink formula; will not crack due to shrinkage
- Meets requirements of ASTM C928-R2 “Standard Specification for Packaged, Dry, Rapid-Hardening
- Cementitious Material for Concrete Repairs” and its related standards
- Polymer-modified for increased adhesion & flexural strength

TENON®

Rapid Strength Horizontal Repair

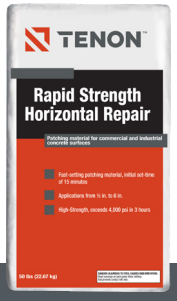
Application

Ideal application conditions are when air, material, and substrate temperatures are between 45°F - 90°F (7°C - 32°C) within 24 hours of application and placement, and when rain is not forecast 24 hours after application. Set times will vary in extremely hot or cold conditions. Do not apply over concrete cured less than 28 days or surfaces that are frozen or contain frost.

1. Apply from ½ in. minimum to 6 in. maximum thickness (1.3 cm - 15 cm). For overhead repairs, use lifts of 2 in. (5 cm) maximum to prevent material from sluffing off, unless forms are provided for support. When used as an overlay, a test area or mock-up is recommended to evaluate suitability for the application.
2. Shovel or place mixture immediately into pre-dampened prepared area. For flat work, do not install in layers; instead place full-depth sections and progress horizontally.
3. Once the mixture has been compacted and spread to completely fill forms or patch, strike off with a straight board or screed, moving the edge back and forth with a saw-like motion. Use a darby or bull float to level any ridges and fill voids left by the screed.
4. Do not wait for bleed water; apply final finish as soon as possible using trowel, float, and/or broom finish.
5. Mortar shall be used and placed in final position within 35 minutes after initial mixing or discarded at that time.
6. Can typically be open to foot traffic in 4 - 6 hours and wheeled traffic in 12 hours at average temperatures of 70°F (21°C).
7. Cold weather conditions below 45°F (7.2°C) can extend the set time of the product. Heating of the concrete repair area before and after placement and using warm water for mixing may assist in increasing the rate of strength gain. In warm weather conditions, materials and concrete surfaces that are hot may reduce the working time of the product. Keeping water and material cool will assist in maintaining open time of the product.

Available In:

Tenon Rapid Strength Horizontal Repair is available in a 50 lb. bag.



50 lb.

BOM #126173

Test Performed	Tenon Rapid Strength Horizontal Repair	ASTM C928-R2 Requirements	Typical Value when mixed with ⅜ in. minus aggregate
Set Time (ASTM C230)			
Initial (min.)	:15	N/A	:17
Final (min.)	:35	N/A	:37
Compressive Strength (ASTM C109)			
3 hours	4000 psi	1000 min.	3448
24 hours	5000 psi	3000 min.	4310

For professional use only.

It is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use. For technical assistance, please contact TCC Materials. To acquire technical and safety literature, please visit our website.

TCC MATERIALS

TCC Materials
2025 Centre Pointe Blvd
Mendota Heights, MN 55120

Phone: 651.688.9116
Email: info@tccmaterials.com
Web: tccmaterials.com