



APPLICATION INSTRUCTIONS

TREMfloor™ Urethane Cement FC

A urethane cement, matte finish coat and primer.

1. PURPOSE

- 1.1 The purpose of this document is to establish uniform procedures for installing TREMfloor™ Urethane Cement FC, an antimicrobial treated urethane cement sealer with a matte finish.
- 1.2 The techniques involved may require modifications to adjust to jobsite conditions. Consult your Tremco Representative for specific design requirements.

2. SCOPE

- 2.1 This document will provide the necessary instructions for the application of TREMfloor™ Urethane Cement FC to qualify for the manufacturer's warranty. Tremco recognizes that site-specific conditions, weather patterns, contractor preferences, and system detailing may require deviation or alteration from these prescribed installation procedures. When such circumstances and situations exist on a project, Tremco recommends that the local Tremco Sales Representative or Technical Services be contacted for assistance and approval as required.

3. POSSIBLE SYSTEM COMPONENTS

- TREMfloor™ Urethane Cement FC Base A
- TREMfloor™ Urethane Cement FC Hardener B
- TREMfloor™ Urethane Cement FC Filler C
- Pigment Pack
- A standard kit of TREMfloor™ Urethane Cement FC include a one TREMfloor™ Urethane Cement FC Base A (5.1 lb), one TREMfloor™ Urethane Cement FC Hardener B (5 lb), one TREMfloor™ Urethane Cement FC Filler C (5.49 lb) and one Pigment Pack (1 lb).
 - a. This kit covers approximately 120 sq ft. If broadcasting cover rate may vary depending on size of the broadcast.

4. STORAGE

- 4.1 Tremco recommends TREMfloor™ Urethane Cement FC components to be stored in a dry environment between 60-80°F.
- 4.2 Keep products sealed until the product is ready to be applied.
- 4.3 Protect all components from weather or moisture.
- 4.4 Unopened components have a shelf life of 12 months from the manufacturing date.

5. SUBSTRATE PREPARATION

- 5.1 Use a broom and HEPA vacuum to remove excess broadcast of sand over the surface.
- 5.2 Ensure that the surface is clean and clear of all dust or debris that might interfere with the system adherence.

6. PRIMER

- 6.1 Primer is not required for TREMfloor™ Urethane Cement FC application over TREMfloor™ Urethane Cement broadcast systems.

7. MIXING PROCEDURE

- 7.1 There are often several types of products at a workplace, sort the products separately to avoid mistakes and place the mix station near the installation area.
- 7.2 Do not split the components. Improper or poor mixing will jeopardize the result
- 7.3 Pour Base A into a suitably sized mixing vessel and add the pigment pack. Mix with a slow-speed drill helical spinner for 20 seconds. (Please refer to the TREMfloor™ Urethane Cement equipment list or contact Tremco Technical Services.)
- 7.4 Add Hardener B and continue mixing for 30 seconds, then add Filler C while mixing. Ensure that all fillers and resins are scraped from the sides of the mixing vessel into the mixture to avoid bubbles/blisters developing in the applied FC sealer. Continue mixing until a homogenous mixture is obtained (90 seconds). Consistent mixing time of batches is important to ensuring color consistency.

7.5 Before starting any other mixtures, clean out all residual material from the mixing vessel and dispose to avoid interfering with the working time of a future mixture.

8. APPLICATION PROCEDURE

- 8.1 Pour TREMfloor™ Urethane Cement FC on to the floors surface and apply a thin layer of sealer in a uniform manner using a rubber notch squeegee to avoid pooling of the sealer and discoloration.
- 8.2 Backroll the applied FC sealer with a 1/ 4" or 3/8" contractor grade nap mohair roller for consistency. Change the nap roller every 800 sq ft to avoid the activation of the resin in the roller. (Please refer to the equipment and tools section.)
- 8.3 Use a paint brush or mini roller to ensure boards, edges, and corners are sealed appropriately.

9. RECOAT

- 9.1 Another coat of TREMfloor™ Urethane Cement FC can be applied within 8 hours after the first application, with a maximum recoat window of 24 hours. For recoating after the 24 hour window consult with Tremco Technical Services.

10. CLEANING

- 10.1 Clean tools and equipment immediately after use with mineral spirits, acetone, or denatured alcohol.

11. CURING TIME

- 11.1 Full Chemical cure takes 5-7 days. High humidity in the early stages of cure can result in white, matte surfaces (blooming). Do not cover or wash within the first 24 of curing.

12. MISCELLANEOUS

- 12.1 The temperature should be at least 60°F to achieve the best results during application. The temperature of the substrate should be at least 55°F, although a temperature of 60-80°F is recommended.
 - 12.2 The temperature of the substrate should exceed the "dew point" by more than 5°F during application and hardening.
 - 12.3 When applying at less than 12 mils it may be necessary to add two pigment packs for full opacity.
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tremcosealants.com | 800.321.7906



Construction Products Group

3735 Green Rd. | Beachwood, OH 44122
800.321.7906 | tremcocpg.com