



MAPECRETE PROTECTOR FF
High-Gloss, Film-Forming Protective Coating for Concrete

SECTION 03 35 00
Concrete Finishing

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. A film-forming, high-gloss protective coating designed to increase the stain resistance of interior concrete floors.

1.2 RELATED SECTIONS

- A. Section 03 30 00 – Cast-in-Place Concrete.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
- C. Verification Samples: For each finish product specified, two samples, minimum size 6" (150 mm) square representing actual product, color and patterns.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 5 years' experience manufacturing similar products.
- B. Installer Qualifications: Minimum 2 years' experience installing similar products.
- C. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 - 1. Finish areas designated by Architect.
 - 2. Do not proceed with remaining work until workmanship is approved by Architect.
 - 3. Refinish mock-up area as required to produce acceptable work.

1.5 PRE-INSTALLATION MEETINGS

- A. Convene at least two weeks prior to starting work of this section.

1.6 DELIVERY, STORAGE AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
- B. Handling: Handle materials to avoid damage.



1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's recommended limits.

1.8 SEQUENCING

- A. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. Product Performance:

pH	8.5
Solids content	15.6%
VOCs	95 g per L
Flash point	> 212°F (100°C)
Drying time at 70°F (21°C)	30 to 60 minutes

- B. Acceptable Manufacturer:

MAPEI North America

1144 E. Newport Center Dr.; Deerfield Beach, FL 33442
Toll-Free for CRS Technical Services: Tel. 888-365-0614

Email: CRS@mapei.com

Web: www.mapei.com

- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
- D. Substitutions: Not permitted.

2.2 CONCRETE FINISHING

- A. A water-based, 100%-acrylic coating for above-grade, exterior/interior vertical concrete, masonry, stucco, fiber-reinforced polymer (FRP) composites and EIFS systems.
 - 1. Product: Subject to compliance with requirements, provide MAPEI Corporation; Mapecrete Protector FF.

2.3 MIXES

- A. General: Mix products in clean containers according to manufacturer's written instructions.
 - 1. Do not add water, thinners or additives unless recommended by manufacturer.
 - 2. When practical, use manufacturer's premeasured packages to ensure that materials are mixed in proper proportions. When premeasured packages are not used, measure ingredients using graduated measuring containers; do not estimate quantities or use shovels or trowels as units of measure.



3. Do not mix more materials than can be used within time limits recommended by manufacturer. Discard materials that have begun to set.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Properly prepared concrete, masonry and ceramic. The surface to be treated must be sound, stable and clean.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Concrete surface must be clean and free of loose particles, efflorescence, paints, tars, grease, asphaltic materials, bond breakers, curing compounds, wax and any foreign substances that might interfere with the adhesion of Mapecrete Protector FF.
- B. Protect vehicles, building, equipment, plants and all surfaces that are not intended to be coated with Mapecrete Protector FF from splashes and wind drift. Refer to the SDS for specific data related to VOCs, health and safety, and handling of product.

3.3 MIXING

Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details.

- A. Mix for 2 to 3 minutes until thoroughly blend.
- B. Mapecrete Protector FF is ready to use and must not be diluted or altered.

3.4. INSTALLATION

Read all installation instructions thoroughly before installation. Contact MAPEI's Technical Services Department for more detailed recommendations.

- A. Apply Mapecrete Protector FF using a low-pressure, pump-up sprayer with 0.5 gpm. fan spray tip, working from one control joint to another.
- B. Lightly wet a microfiber mop with Mapecrete Protector FF and spread the damp mop over the sprayed material, keeping a wet edge. Stop spreading when drying begins and don't overlap.
- C. Allow to dry until tack-free, typically 30 to 60 minutes.
- D. Apply a second coat, repeating steps A to C.
- E. If additional gloss is desired on the surface, wait at least 60 minutes after the second coat has been applied and then use a high-speed floor burnisher.

END OF SECTION