



**MAPECRETE FILM
Evaporation Retardant**

**SECTION 03 35 00
CONCRETE FINISHING**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Evaporation retardant and finishing aid materials.

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. Source Limitations: For repair products, obtain each color, grade, finish, type, and variety of product from single source and from single manufacturer with resources to provide products of consistent quality in appearance and physical properties.
- D. 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 MANUFACTURERS

- A. Product Performance:

Density – ASTM D1475 1.0 g per cm³

VOCs (Rule #1113 of California's SCAQDM) < 20 g per L

Color Blue

- 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 EVAPORATION RETARDANT AND FINISHING AID

- A. Designed to retard moisture evaporation on concrete surfaces and aid in finishing on concrete flatwork.

1. Product: Subject to compliance with requirements, provide MAPEI Corporation; Mapecrete Film.
2. Meets or exceeds performance when tested at ASTM D1475 standards.

2.3 MISCELLANEOUS MATERIALS

- A. Portland cement: ASTM C150/C150M, Type I, II or III unless otherwise indicated.

- B. Water: Potable.

2.4 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. New, fresh concrete surfaces.

3.2 PREPARATION

- A. Freshly placed concrete should be free of any dirt, residue and debris, and should be floated. No other surface preparation is needed.

3.3 MIXING

- A. Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details. Mapecrete Film is supplied as a concentrate. It must be diluted at a rate of 1 part of Mapecrete Film to 9 parts of water.
- B. Mix until thoroughly blended.

3.4 INSTALLATION

Read all installation instructions thoroughly before installation.

- A. Apply with a tank-type, hand-pump sprayer that is capable of spraying a fine mist at a rate of 200 to 400 sq. ft. per U.S. gal. (4.9 to 9.8 m² per L.)
- B. Spray as soon as possible after and during bull-floating and troweling of freshly placed concrete.
- C. Additional spray coats may be required in extreme drying conditions.

END OF SECTION