



MAPECURE CS WB
Glossy, Water-Based, Acrylic Sealer

SECTION 03 35 00
CONCRETE FINISHING

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Curing and sealing compounds for concrete.

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 in manufacturing similar products.
- B. Installer Qualifications: Minimum 2 years' experience in 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:

Solids	26%
VOCs (Rule #1113 of California's SCAQDM)	100 g per L
Adhesion to concrete	Excellent
Color	Clear (when cured)

B. Acceptable Manufacturer:

MAPEI North America
1144 E. Newport Center Drive; 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 SEALING COMPOUNDS FOR CONCRETE

- A. 100%-pure acrylic polymer concrete sealing compound designed to protect and enhance cured concrete.

- 1. Product: Subject to compliance with requirements, provide MAPEI Corporation; Mapecure CS WB.

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 PREPARATION

- A. All surfaces should be clean and free of standing water.
- B. Surfaces should be clean and free of dirt, paint, tar, asphalt, wax, oil, grease, latex compounds, sealers, curing compounds, form-release agents, laitance, loose toppings, foreign substances, and any contaminant that may interfere with the adhesion of Mapecure CS WB.
- C. Concrete and masonry substrates as well as ambient temperatures must be between 45°F and 95°F (7°C and 35°C) before application.

3.2 MIXING

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

- A. Mapecure CS WB should be gently mixed or agitated to a homogenous state before application.
- B. Do not dilute.

3.2 INSTALLATION

Read all installation instructions thoroughly before installation.
Apply with a roller or pump-up sprayer.

Roller

- A. Apply Mapecure CS WB evenly in thin coats to the substrate with a 3/8" (10-mm) nap roller at a rate of 150 to 350 sq. ft. per U.S. gal. (3.67 to 8.57 m² per L).
- B. Maintain a wet edge and do not allow product to puddle.
- C. Allow product to cure for at least 2 hours. Multiple coats may be applied to achieve a higher gloss.

Pump-up sprayer

- A. Use a high-quality sprayer and tip (0.50 gpm) that provide a fine mist at a rate of 150 to 350 sq. ft. per U.S. gal. (3.67 to 8.57 m² per L).
- B. Apply thin coats, being careful to not leave puddles.
- C. Back-roll with a 3/8" (10-mm) nap roller.
- D. Allow product to cure for at least 2 hours. Multiple coats may be applied to achieve a higher gloss.

END OF SECTION