

# Mapecure CS WB

Glossy, Water-Based, Acrylic Sealer



## DESCRIPTION

Mapecure™ CS WB is a one-part, water-based, transparent, glossy sealer designed for protecting concrete surfaces – from highly textured stamped concrete to smooth self-leveling toppings.

## FEATURES AND BENEFITS

- Meets VOC limits per Rule 1113 of California's South Coast Air Quality Management District (SCAQMD)
- Superior abrasion and blush resistance
- Low-odor
- Non-yellowing when subjected to ultraviolet (UV) light
- Protects concrete from staining

## WHERE TO USE

- Concrete pavers and retaining walls
- Transparent sealer for stamped concrete
- Transparent sealer on interior and exterior concrete surfaces

## SURFACE PREPARATION

- All substrates must be dry, cured, structurally sound and stable.
- 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*.
- Concrete and masonry substrates as well as ambient temperatures must be between 45°F and 95°F (7°C and 35°C) before application.

## MIXING

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

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

## PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

- Apply with a roller or pump-up sprayer.

### Roller

1. 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 m<sup>2</sup> per L).
2. Maintain a wet edge and do not allow product to puddle.
3. Allow product to cure for at least 2 hours. Multiple coats may be applied to achieve a higher gloss.

### Pump-up sprayer

1. 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 m<sup>2</sup> per L).
2. Apply thin coats, being careful to not leave puddles.
3. Back-roll with a 3/8" (10-mm) nap roller.
4. Allow product to cure for at least 2 hours. Multiple coats may be applied to achieve a higher gloss.

## CLEANUP

- Wash hands and tools with water promptly before the material hardens. Dried material must typically be removed mechanically.
- Clean areas of overspray immediately before the material dries.
- Proper care and maintenance will increase the life of *Mapecure CS WB*. Sweep and clean the surface regularly.

## LIMITATIONS

- Do not install over substrates containing asbestos.
- Protect from standing water for at least 24 hours after application.
- Always apply *Mapecure CS WB* in multiple thin coats.
- *Mapecure CS WB* may be used over integrally colored concrete and over concrete that has received a topical dye. When applying *Mapecure CS WB* over concrete treated with a topical dye, ensure that the floor has been thoroughly cleaned to remove any dye residue, and perform a mockup on a suitably sized test area before proceeding.
- *Mapecure CS WB* is not recommended over surfaces that have been treated with a reactive acid stain (due to the challenge of adequate cleaning). For such surfaces, a two-part or solvent-based sealer will produce better results.
- *Mapecure CS WB* can be applied from 45°F to 95°F (7°C to 35°C). Allow for extra curing time when temperatures are below 65°F (18°C).
- For optimum results, do not work in direct sunlight or install *Mapecure CS WB* on hot concrete.
- If smooth substrates may be subjected to foot traffic in wet conditions, treat interior substrates with a commercial floor finish for added slip resistance and exterior substrates with a non-slip additive.
- Test all surface treatments on a small sample area before application to ensure the desired results.
- Protect the installation from foot traffic, contaminants and moisture until *Mapecure CS WB* has cured in 2 to 8 hours and the floor finish has been applied. In exterior applications, protect *Mapecure CS WB* from exposure to standing water for 24 hours.
- Do not drag heavy equipment across a sealed floor.
- Clean chemical spills immediately.

Consult MAPEI's Technical Services Department for installation recommendations regarding substrates and conditions not listed.

### Product Performance Properties

Laboratory Tests	Results
VOCs (Rule #1113 of California's SCAQMD)	< 100 g per L
Flashpoint	> 212°F (100°C)
Typical film build	2 coats with dry film thickness (DFT) of 3 mils combined
Abrasion resistance – ASTM D4060*	Excellent
Slip resistance	Excellent
Gloss	Good to very good, depending on the number of coats applied
Hot-tire pickup resistance	Excellent
Blush resistance	Excellent
Brookfield viscosity (#02/60 rpm)	192 cP
pH	8.85

Density	8.55 lbs. per U.S. gal. (3.87 kg per 3.79 L)
Solids (% w/w)	26
Low-temp coalescence, at 45°F (7°C)	Pass
Crosshatch adhesion – ASTM D3359	5B

\* With 2 coats of Mapecure CS WB, tested on Concrete Renew™ Fine (light texture)

Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

### Shelf Life and Product Characteristics

before mixing

Shelf life	2 years when stored in original, unopened container at 73°F (23°C) in a dry area
Color	Clear (when cured)
Odor	Low

### Application Properties

Application temperature range	45°F to 95°F (7°C to 35°C)
Time before curing	2 to 8 hours
Time before allowing light foot traffic	4 hours
Window for recoating the cured <i>Mapecure CS WB</i>	Up to 24 hours

### CSI Division Classifications

Basic Concrete Materials and Methods	03 05 00
Special Coatings	09 97 00

## Approximate Coverage\*\*

per 1 U.S. gal. (3.79 L)

Substrate	Coverage
Nonporous substrates	250 to 350 sq. ft. (23.2 to 32.5 m <sup>2</sup> )
Porous substrates	150 to 250 sq. ft. (13.9 to 23.2 m <sup>2</sup> )

*\*\* Coverage shown is for estimating purposes only. Actual jobsite coverage will vary according to substrate conditions including porosity, type of equipment used, thickness applied, handling and application procedures. The lower range applies to a first coat; expect higher coverage for subsequent coats.*

## Packaging

### Size

Pail: 5 U.S. gals. (18.9 L)

## ADDITIONAL INFORMATION

Refer to the SDS for specific data related to health and safety as well as product handling.

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact [sustainability\\_USA@mapei.com](mailto:sustainability_USA@mapei.com) (USA) or [sustainability-durabilite@mapei.com](mailto:sustainability-durabilite@mapei.com) (Canada).

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## CONTACT INFORMATION

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### Customer Service

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Edition Date: October 4, 2023 MK 3000464 (23-2578)

For the most current product data and BEST-BACKED<sup>SM</sup> warranty information,  
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