



FOR PROFESSIONAL USE ONLY

# Mapecure UV™

## High-Solids, Acrylic Curing and Sealing Compound



### DESCRIPTION

*Mapecure UV* is a UV-stable, solvent-based, styrenated acrylic copolymer especially formulated for curing and sealing fresh concrete. *Mapecure UV* is suitable on concrete surfaces, creating a continuous glossy appearance.

### FEATURES AND BENEFITS

- High-solids content
- UV-stable
- Cures and seals freshly placed concrete
- Enhances the color and appearance of decorative concrete

### INDUSTRY STANDARDS AND APPROVALS

- ASTM: C309, Type 1, Class A and B Standard Specification for Liquid Membrane-Forming Compounds for Curing Concrete
- ASTM: C1315, Type 1, Class A Standard Specification for Liquid Membrane-Forming Compounds Having Special Properties for Curing and Sealing Concrete
- AASHTO: M148, Type 1, Class A and B
- USDA-compliant

LEED v4 Points Contribution

LEED Points

Health Product Declaration (HPD)\* .....Up to 2 points

\* Using this product may help contribute to LEED certification of projects in the category shown above. Points are awarded based on contributions of all project materials.

### WHERE TO USE

- Interior/exterior
- For curing and sealing freshly placed and finished concrete
- For sealing existing concrete

### LIMITATIONS

- Do not use when ambient and concrete surface temperatures are below 40°F (4°C). For best results, apply the material at 45°F to 90°F (7°C to 32°C).
- For optimum installation, do not work in direct sunlight or when the concrete and/or ambient temperature is 90°F (32°C) and rising.
- Do not apply over bleed water or free-standing water.
- Any curing compounds, sealers or other materials that may prevent adhesion of *Mapecure UV* must be removed.
- Do not use as a bond breaker for tilt-wall construction.
- Do not use on painted surfaces.
- *Mapecure UV* may darken concrete surfaces. Apply a test patch before application.
- Do not use in areas subject to gasoline, brake fluid, hot grease or oils.
- When installing *Mapecure UV*, keep away from open flames and heat; extinguish pilot lights; turn off thermostats, heaters, furnaces and air cleaners; and use in well-ventilated areas with cross-ventilation.
- Do not dilute *Mapecure UV*.



- Surface cleanliness and proper coverage rate are crucial for achieving blemish-free results on existing concrete.

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

## **SURFACE PREPARATION**

- All substrates must be clean and free of standing water.

## **MIXING**

Choose all appropriate safety equipment before use. Refer to the Safety Data Sheet for details.

- *Mapecure UV* is packaged as ready-to-use.

## **PRODUCT APPLICATION**

Read all installation instructions thoroughly before installation.

1. Apply using a low-pressure, airless industrial sprayer with a fan tip (rated at 1 U.S. gal. [3,79 L] per minute); a solvent-resistant roller with a 3/8" (10 mm) nap; or a low-pressure, solvent-resistant pump-up sprayer.
2. For best appearance, keep a wet edge while spraying or backrolling.
3. Porous concrete surfaces may require a second application to provide a uniform seal and appearance. In addition, two thin coats of *Mapecure UV* are recommended rather than one heavy coat. Apply the second coat between 2 to 24 hours after the first coat.
4. Surfaces previously sealed with *Mapecure UV* should be cleaned and resealed at intervals depending on exposure and traffic.

## **CLEANUP**

- Clean tools and equipment with a solvent immediately after use.
- Dried material may require mechanical removal.

## Product Performance Properties

Laboratory Tests	Results
Solids	> 25%
VOCs (Rule #1113 of California's SCAQMD)	700 g per L
Flash point	> 105.8°F (41°C)

## Shelf Life and Product Characteristics

Shelf life	3 years when stored in original, unopened packaging at 73°F (23°C)
Physical state	Liquid
Color	Clear

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.

## Application Properties

Adhesion to concrete	Excellent
Alkali resistance (48-hour exposure)	Excellent
Resistance to yellowing	Excellent
Drying time at 73°F (23°C) and 50% relative humidity	< 1 hour
Ready for recoating	2 to 24 hours
Ready for foot traffic	2 to 4 hours
Ready for wheel traffic	6 to 10 hours

## CSI Division Classifications

Concrete Curing	03 39 00
Concrete Finishing	03 35 00

## Packaging

Size
5 U.S. gals. (18,9 L)
55 U.S. gals. (208 L)

## Approximate Coverage\* per 1 U.S. gal. (3,79 L)

Application	Coverage
Curing and sealing of new concrete	First coat: 300 to 400 sq. ft. per U.S. gal. (7,35 to 9,8 m <sup>2</sup> per L) Optional second coat: 400 to 450 sq. ft. per U.S. gal. (9,8 to 11,0 m <sup>2</sup> per L)
Sealing of existing concrete	First coat: 400 to 450 sq. ft. per U.S. gal. (9,8 to 11,0 m <sup>2</sup> per L) Optional second coat: 450 to 550 sq. ft. per U.S. gal. (11,0 to 13,5 m <sup>2</sup> per L)

\* Coverage varies depending on the porosity of the substrate.

# Mapecure™ UV



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

#### LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at

[www.mapei.com](http://www.mapei.com). **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use,

and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

We proudly support the following industry organizations:



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#### Customer Service

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#### Services in Mexico

0-1-800-MX-MAPEI (0-1-800-696-2734)

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For the most current **BEST-BACKED™** product data and warranty information, visit [www.mapei.com](http://www.mapei.com).

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