

Mapecoat Deck

T

High-Build, Textured, Acrylic Deck Coating



DESCRIPTION

Mapecoat™ Deck T is a water-based, slip-resistant coating specially designed for use on new and previously coated concrete. *Mapecoat Deck T* creates an attractive, durable wear surface for residential and commercial indoor/outdoor decks, balconies and walkways. It offers enhanced durability to withstand pedestrian and light vehicular traffic with the convenience and easy application of a single-component product.

FEATURES AND BENEFITS

- Light sanded texture for slip resistance
- High build for improved aesthetics over irregular substrates
- Suitable for application to slab on grade
- UV-resistant for better color retention
- Custom color matching
- Integrate with other MAPEI Concrete Restoration Systems products for a complete repair and waterproofing system.

WHERE TO USE

- Balconies, decks and walkways
- For use on new and previously coated substrates

- Above-grade exterior surfaces
- For enhanced aesthetics over repairs and irregular substrates, and for general protection

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

SUITABLE SUBSTRATES

- Fully cured concrete
- New and previously painted surfaces

SURFACE PREPARATION

- Substrates should be clean, sound, stable, frost-free and free of dirt, residue, oils, grease, curing compounds, laitance and any contaminant that may interfere with adhesion. Substrates should be prepared using engineer-approved methods.
- Previously painted surfaces should be well adhered. Glossy surfaces need to be abraded to provide adequate keying.
- Remove unsound masonry by wire brushing or mechanically chipping away material to provide a firm surface.
- Substrates must be dry before application of *Mapecoat Deck T*. Allow substrates sufficient time to dry after rain; at least 24 hours of drying time is recommended.
- Rust stains and other water-soluble stains will migrate through *Mapecoat Deck T*. These need to be removed or treated before applying *Mapecoat Deck T*.
- New concrete should be allowed to cure for 28 days before application.
- Prepare concrete to a minimum surface profile of CSP #2.

MIXING

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

- Slowly stir *Mapecoat Deck T* to ensure uniformity and minimize air entrapment.
- *Mapecoat Deck T* is ready to use. Do not dilute.

PRODUCT APPLICATION

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

1. Apply *Mapecoat Deck T* by roller or texture sprayer directly to the prepared substrate.
2. Roller application: Use a 3/8" to 1/2" (10 to 12 mm) nap roller cover. Always keep the roller loaded and moving slowly to ensure effective transfer of aggregate. Allow to dry thoroughly before applying a second coat.
3. Apply *Mapecoat Deck T* to achieve a wet film thickness (WFT) of about 10 mils, which results in coverage of 160 sq. ft. per U.S. gal. (3.92 m² per L) per coat.
4. Two coats are recommended to achieve optimum distribution of texture.

5. Ensure that the application is always worked to a natural break and that a wet edge is maintained throughout the application.
6. Spray application: Use an appropriate texture sprayer.
7. Cleanability may be enhanced with the addition of a clear topcoat. Consult your MAPEI representative for product recommendations.

CLEANUP

- Use water to clean tools and equipment immediately after use. Dried material may require mechanical means for removal.

LIMITATIONS

- Do not apply *Mapecoat Deck T* when ambient or substrate temperatures are below 40°F (4°C) or expected to fall below 40°F (4°C) within 24 hours, or when these temperatures are higher than 95°F (35°C).
- Do not apply *Mapecoat Deck T* if the relative humidity is higher than 90%.
- For athletic or recreational/sports facilities, refer to MAPEI's Products for Sports Flooring.
- Do not use *Mapecoat Deck T* where hydrostatic pressure from sources other than natural groundwater may be present.
- Protect *Mapecoat Deck T* from freezing and discard it if it freezes.
- Do not use *Mapecoat Deck T* in total water immersion.
- Where snow removal may be necessary, use a plastic shovel to minimize damage to the finish.

Product Performance Properties

Laboratory Tests	Results
Appearance	Flat < 5 @ 60
Weight	12.6 lbs. ± 0.5 lbs. per U.S. gal. (1.51 kg per L)
Solids by weight	69.2% ± 1.0%
Solids by volume	50.7% ± 1.0%
Water-vapor permeance – ASTM D1653 at 20 mils	17 perms
Adhesion to concrete – ASTM D7234	529 psi (3.65 N/mm ²)
Flexibility (Mandrel) – ASTM D522	1/8" (3 mm); Passed (no cracking)
Tensile strength – ASTM D2370 at 20 mils	400 psi (2.76 MPa)
Impact resistance – ASTM D2794	Intrusion 110 in.lb.
Hot tire pickup – ASTM WK14355	Passed
Dirt pickup resistance – ASTM WK 38233	Passed
Water resistance – ASTM D1735-14	Passed
Freeze/thaw resistance – ASTM D6944	Passed
VOCs (Rule #1113 of SCAQMD)	< 50 g per L

Shelf Life and Product Characteristics

Shelf life	1 year in original, unopened container at 73°F (23°C)
Color	2 tint bases (pastel and medium) and 17 MAPEI standard colors available – or an unlimited color range using MAPEI's ColorMap™ automatic color-matching system
Storage conditions	Store at 50°F to 90°F (10°C to 32°C).

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

at 70°F (21°C) and 50% relative humidity

Drying time, dry to touch	1 hour
Drying time before recoating or topcoating	2 hours
Drying time until full cure	7 days

Packaging

Size	5 U.S. gals. (18.9 L)
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CSI Division Classifications

Pedestrian Traffic Coatings	07 18 13
Concrete Overlayment	03 53 19

Approximate Coverage*

Thickness	Coverage
10 mils in wet film thickness or 5 mils in dry film thickness	160 sq. ft. per U.S. gal. (3.92 m ² per L)
20 mils WFT or 10.1 mils DFT	80 sq. ft. per U.S. gal. (1.96 m ² per L)

* Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions and setting practices.

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 (USA) or sustainability-durabilite@mapei.com (Canada).

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 nor 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. **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.**

CONTACT INFORMATION

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Customer Service

1-800-42-MAPEI (1-800-426-2734)

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For the most current product data and BEST-BACKEDSM warranty information,
visit www.mapei.com.

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