



MAPECOAT DECK T
High-Build, Textured Acrylic Deck Coating

SECTION 09 97 23
CONCRETE AND MASONRY COATINGS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Products for maintenance of concrete, including the following:
 - 1. Products for painting and coating on deck applications.

1.2 RELATED SECTIONS

- A. Section 09 90 00 – Painting and Coating.

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 inches (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 a single source and from a 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:

Tensile strength – ASTM D2370 at 20 mils	400 psi
Impact resistance – ASTM D2794	Intrusion 110 in. lb.
Solids, by weight	69.2% ± 1.0%
Solids, by volume	50.7% ± 1.0%
- 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 CONCRETE AND MASONRY COATINGS

- A. Polymer-Modified, Portland-Cement Mortar for Non-Structural Applications: Packaged, dry mix for repair of concrete.
 - 1. Product: Subject to compliance with requirements, provide MAPEI Corporation; Mapecoat Deck T.
 - 2. Product shall be non-redispersible.
 - 3. Tensile strength: Not less than 400 psi at 20 mils in thickness when tested according to ASTM D2370.

2.3 MISCELLANEOUS MATERIALS

- A. Portland cement: ASTM C150/C 150M, 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. Sound, stable, clean, frost-free and fully cured concrete, new and previously painted surfaces.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Substrates should be clean and free of dirt, residue, oils, grease, curing compounds, laitance and any contaminant that may interfere with adhesion and should be prepared using engineer-approved methods.
- B. Previously painted surfaces should be sound and well adhered. Glossy surfaces need to be abraded to provide adequate key.
- C. Remove unsound masonry by wire brushing or mechanically chipping away material to provide a firm surface.
- D. 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.
- E. 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.
- F. New concrete should be allowed to cure for 28 days before application.
- G. Mechanically prepare the surface to a minimum concrete surface profile of CSP #2.

3.3 MIXING

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

- A. Slowly stir Mapecoat Deck T to ensure uniformity and minimize air entrapment.
- B. Mapecoat Deck T is ready to use. DO NOT DILUTE.



3.4 INSTALLATION

Read all installation instructions thoroughly before installation.

- A. Apply Mapecoat Deck T by roller or texture sprayer directly to the prepared substrate.
- B. Roller application: Use a 3/8" to 1/2" (10 mm 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.
- C. Apply Mapecoat Deck T to achieve a wet film thickness (WFT) of 15 to 20 mils (80 to 100 sq. ft. per U.S. gal. (1.96 to 2.45 m² per L) per coat.
- D. Two coats are recommended to achieve optimum distribution of texture.
- E. Ensure that the application is always worked to a natural break and that a wet edge is maintained throughout the application.
- F. Spray application: Use appropriate texture sprayer or hopper gun.
- G. Cleanability may be enhanced with the addition of a clear topcoat. See the Technical Data Sheet for Mapefinish Wet Look for details.

END OF SECTION