



**MAPEFLOOR PU Primer [NA]
Two-Component Polyurethane Primer**

**SECTION 07 18 00
Traffic Coatings**

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Products for topping for concrete, including the following:
 - 1. Primer.

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.

1.4 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 5 years' experience manufacturing similar products.
- B. Installer Qualifications: Minimum 2 years' experience installing similar products.

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 content 100%
 - VOCs 0 g per L
 - Viscosity of mixture 500 cps
- B. Acceptable Manufacturer:
 - MAPEI North America
 - 1144 E. Newport Center Drive; Deerfield Beach, FL 33442
 - Toll-Free for CRS Technical Service: 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 PRIMERS

- A. Polyurethane Primer: Two-component, polyurethane primer specifically designed to enhance adhesion of cement-based decorative and multi-layer flooring, such as MAPEI Mapefloor products.
 - 1. Product: Subject to compliance with requirements, provide MAPEI Corporation; Mapefloor PU Primer [NA].

2.3 MISCELLANEOUS MATERIALS

- A. Portland Cement: ASTM C150, 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. Mapefloor PU Primer [NA] should be used on elevated slabs where a Mapefloor parking deck system is being utilized.

3.2 PREPARATION

For use in initial application

- A. Concrete surfaces must be clean, dry, stable and sound. They must be clean of all tar, dirt, oil, paint and any foreign debris that may interfere with proper bonding of the primer.
- B. Concrete must be mechanically profiled in accordance with the Mapefloor Parking Deck systems installation manual.

For use as a recoat primer

- A. The surface must be well adhered and free of cracks, gouges and delamination to be suitable as a substrate for recoating.
- B. Remove all oils, automotive fluids, sand and any foreign debris that may interfere with proper bonding of the primer,
- C. Wipe the application area with a strong solvent such as xylene and allow it to flash off, to aid in removing any moisture from the surface.

3.3 MIXING

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

- A. Premix Part A and Part B separately.
- B. Add Part B to Part A and mix at low speed for 2 to 3 minutes or until a homogenous consistency is achieved.

3.4 INSTALLATION

Read all installation instructions thoroughly before installation.

- A. Apply Mapefloor PU Primer [NA] immediately to the prepared substrate by roller or squeegee at 320 to 530 sq. ft. per U.S. gal (7.84 to 13.0 m²) to obtain a wet film thickness (WFT) of 3 to 5 mils.
- B. Ensure that there are no puddles and that all pores of the concrete are coated.
- C. Allow to cure.

END OF SECTION