

Planitex UNS

Standard, Gypsum-Based Floor-Patching Compound



DESCRIPTION

Planitex™ UNS is a fast-setting, nonshrinking, polymer-modified, gypsum-based patching compound that is easy to apply. *Planitex UNS* is for repairing holes, voids and depressions in concrete, gypsum-based surfaces or wood underlayments before the installation of floor-covering materials. It also is designed for patching holes in drywall and plaster walls.

FEATURES AND BENEFITS

- Fast-setting
- Gypsum-based
- Smooth, creamy consistency

WHERE TO USE

- Use for skimcoating unfinished, rough-textured concrete and approved wood underlayments.
- Use for filling minor voids, holes and cracks in concrete and approved wood underlayments.
- Use for patching gypsum-based surfaces.

LIMITATIONS

- Do not install over substrates containing asbestos.
- Do not use as a final wear surface.
- Use only when the substrate and ambient temperature are between 50°F and 100°F (10°C and 38°C).
- For interior installations only

- Do not apply over self-stick tile, presswood, particleboard, flakeboard or similar types of dimensionally unstable substrates.
- Do not use *Planitex UNS* where hydrostatic pressure or high moisture conditions exist.
- Do not install if the concrete substrate has a moisture vapor emission rate (MVER) exceeding 5 lbs. per 1,000 sq. ft. (2.27 kg per 92.9 m²) per 24 hours using a calcium chloride test (reference ASTM F1869), and a relative humidity (RH) reading greater than 80% (ASTM F2170). Use a MAPEI epoxy moisture barrier to treat concrete slabs with elevated moisture conditions. Consult MAPEI's Technical Services Department for product recommendations.
- Do not use to fill existing expansion control joints.
- When installing over concrete, prime with an appropriate MAPEI primer.

SUITABLE SUBSTRATES

- Concrete
- APA or CANPLY Group 1 exterior-grade plywood
- Other approved wood underlayments (per the flooring manufacturer's recommendations)

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

SURFACE PREPARATION

- All substrates must be structurally sound, dry, solid and stable.
- Substrate should be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, epoxy adhesives, urethane adhesives, and any other substance or condition that may prevent or reduce adhesion.
- All wooden floors must be well ventilated from below.

See the general "Surface preparation requirements" reference guide in the Floor Covering Installation Systems section of MAPEI's Website.

MIXING

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

1. Into a clean mixing container, pour 1 part of water. Gradually add 2.5 parts of *Planitex UNS* powder by volume while slowly mixing. The mixing ratio is 5 U.S. qts. (4.73 L) of water per 25-lb. (11.3-kg) bag. Note that the water temperature should not exceed 73°F (23°C). Higher water temperature will shorten pot life.
2. By hand-mixing or using a low-speed mixer, mix thoroughly to a smooth, lump-free consistency. Do not mix more product than can be applied within 15 minutes. Due to the short pot life of *Planitex UNS*, do not mix large quantities of *Planitex UNS* at a time.
3. Avoid air entrapment and prolonged mixing, which will shorten pot life.
4. Do not overwater.
5. Wash hands and tools with water immediately after mixing.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Select an appropriate flat-edge steel trowel.
2. Immediately apply mixed *Planitex UNS* to the substrate, according to the desired thickness – up to 1/2" (12 mm).

CLEANUP

- Clean tools and equipment with water while product is still wet/fresh. Use mechanical means to remove cured product.

PROTECTION

- Protect *Planitex UNS* from excessive heat and drafty conditions during the curing process.
- Allow applied *Planitex UNS* to completely dry before installing the final floor covering.
- Protect the application area from traffic, dirt or dust from other trades until the final installation of the floor covering.

Shelf Life and Application Properties

at 73°F (23°C) and 50% RH

Shelf life	1 year when stored in original, unopened packaging at 73°F (23°C) and 50% RH
VOCs (Rule #1168 of California's SCAQMD)	0 g per L
Pot life	About 15 minutes
Drying time required before floor-covering installation*	40 to 60 minutes, or once the product is completely dry

Provide for dry, heated storage on site and deliver materials at least 24 hours before work begins.

*Drying time may vary based on temperature, humidity, substrate porosity, thickness of application and jobsite conditions.

Packaging

Size

Plastic bag: 25 lbs. (11.3 kg)

Approximate Coverage**

per 25 lbs. (11.3 kg)

Thickness	Coverage
1/32" (1 mm)	120 to 130 sq. ft. (11.1 to 12.1 m ²)

**Actual coverage will vary according to substrate profile and tile type.

RELATED DOCUMENTS

- "Surface preparation requirements" reference guide for floor-covering installation systems***

*** At www.mapei.com

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.**

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Edition Date: May 19, 2023 MK 3007210 (22-3342)

For the most current product data and BEST-BACKEDSM warranty information,
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