

Mapeguard Pre-Formed Seat / Bench

Pre-Formed Shower Seats and Benches



DESCRIPTION

Mapeguard® Pre-Formed Seat and *Mapeguard Pre-Formed Bench* are waterproof, lightweight, durable and tile-ready shower accessories for simplifying and reducing installation time. They are each made from high-density expanded polystyrene (EPS), solid composition and coated with an acrylic polymer finish. Each *Mapeguard Pre-Formed Seat* and *Mapeguard Pre-Formed Bench* provides a ready-for-tile seat/bench that adds beauty and function to showers and wet areas. They are also ideal for steam rooms and steam showers. The waterproof attributes of these products do not contribute to mold or mildew.

FEATURES AND BENEFITS

- Waterproof and ready for tile
- Convenient lengths of 38" (96.5 cm) and 48" (122 cm) for benches, and 15-1/2" (39.4 cm) and 32-1/2" (82.5 cm) for seats
- Can be cut to fit or combined to accommodate a variety of lengths
- Lightweight and durable
- Easy to transport
- Quick and easy to handle and install
- Reduce labor and allow faster completion
- Designed to meet the most demanding commercial and residential applications

WHERE TO USE

- Interior use
- Shower stalls, tub surrounds, steam rooms and steam showers
- Industrial, commercial and residential bathrooms as well as wet areas

LIMITATIONS

- Installation temperature range is 40°F to 90°F (4°C to 32°C).
- Do not expose the seats or benches unprotected to sun or weather for more than 30 days.
- Do not expose to solvents or other harsh chemicals.
- *Mapeguard Pre-Formed Seat* and *Mapeguard Pre-Formed Bench* must be covered with ceramic tile, stone or another suitable finish. Prior to finishing, use caution to protect the waterproof coating on these products from penetration or damage.
- Mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required in seams, connections or corners, use an approved MAPEI waterproofing membrane.

SUITABLE SUBSTRATES

- Concrete
- Cement backer units (CBUs) – see manufacturer's installation guidelines
- Cement mortar bed
- Pre-sloped shower pans
- Ceramic tile and stone
- Industry-approved exterior-grade plywood *
- APA Sturd-I-Floor, Exposure 1, OSB*

* Interior use only

SURFACE PREPARATION

- All substrates must be structurally sound, flat, stable, dry, clean and free of any substance or condition that may reduce or prevent proper adhesion.
- Surfaces must be structurally rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads (including concentrated loads) must not exceed L/360 for thin-bed ceramic tile/brick installations or L/720 for thin-bed stone installations where L = span length.

See the "Surface preparation requirements" reference guide in the Tile & Stone Installation Systems section on MAPEI's Website.

PRODUCT INSTALLATION

Preparation

1. The shower should be waterproofed in accordance with Tile Council of North America (TCNA) guidelines, ANSI guidelines and all applicable codes before installation of the seat/bench.
2. Ensure that walls are square and plumb where the seat/bench is to be installed.
3. In order for the seat/bench to fit the walls, the floor beneath it must be square to the walls (that is, leveled and free of slope). Use an approved MAPEI polymer-modified large-and-heavy-tile thin-set mortar rated ANSI A118.4H or better (herein referred to as "MAPEI polymer-modified mortar") beneath the bench for leveling, if required.
4. If the seat/bench needs to be site-adjusted to fit the installation area, cut the bench to the proper dimensions.
5. Re-check the fit of the seat/bench with the wall and floor. Adjust as necessary until the fit is square and level. Add a slight pitch to the top of the seat/bench when installing tile or stone in order to prevent water puddling.

Installing the seat or bench

1. Using a 1/2" x 1/2" x 1/2" (12 x 12 x 12 mm) square-notched trowel, apply a MAPEI polymer-modified mortar to the walls behind the seat/bench and on the floor under the seat/bench.
2. Key in a thin layer of the MAPEI polymer-modified mortar on the sides and bottom of the seat/bench to help ensure a tight bond.
3. Slide the seat/bench into the MAPEI polymer-modified mortar, flattening the ridges by moving it back and forth.
4. Ensure complete coverage of the MAPEI polymer-modified mortar between the seat/bench, walls and shower tray by applying pressure to the sides and top. Level to the desired position and slope toward drain.
5. Carefully remove excess MAPEI polymer-modified mortar while wet, taking care not to damage the waterproof coating.
6. Waterproof the seat/bench, wall and shower tray joints with an appropriate MAPEI waterproofing membrane. To achieve a waterproofed system, first use a MAPEI polymer-modified mortar to fill any gap that is between 1/8" and 1/2" (3 and 12 mm).
7. Option A: When the fill mortar is dry per its Technical Data Sheet or TDS, use MAPEI's *Reinforcing Fabric* in combination with *Mapelastic AquaDefense* or *Mapelastic Turbo* to seal all joints with a 3" (7.5 cm) overlap on both sides of the joint. Place fabric into wet liquid and apply pressure to the fabric, working out wrinkles or bubbles while forcing the waterproofing to come through the fabric. While fabric is still wet, apply additional liquid membrane over the fabric until completely covered and let it dry completely.

Option B: *Mapeguard WP ST* waterproofing seaming tape can instead be used to waterproof the system along with an approved MAPEI polymer-modified mortar troweled with a 1/4" x 3/16" (6 x 4.5 mm) sawtooth trowel. Press *Mapeguard WP ST* firmly into the mortar, with at least 2" (5 cm) on each side of the seam and embed the tape. Remove any trapped air and ensure full adhesion to the material by spreading the mortar from the inside out using a trowel or straight-edge with rounded corners.

8. Install tile or stone using an approved MAPEI polymer-modified mortar according to TCNA and ANSI guidelines.

Attaching seats or benches together

1. Dry-fit one seat/bench to the other to ensure a proper fit and site-adjust if needed.
2. Using a 1/2" x 1/2" x 1/2" (12 x 12 x 12 mm) square-notched trowel, apply an approved MAPEI polymer-modified mortar to the walls behind the seat/bench and on the floor under the seat/bench.
3. Key in a thin layer of the MAPEI polymer-modified mortar on the sides and bottom of the seat/bench to help ensure a tight bond.

4. Also apply mortar to the side of the seat/bench that is already installed.
5. Slide the seat/bench into the MAPEI polymer-modified mortar, flattening the ridges by moving it back and forth.
6. Ensure complete coverage of the MAPEI polymer-modified mortar between the seat/bench and substrate by applying pressure to the sides and top. Level to the desired position and slope toward drain.
7. Carefully remove excess MAPEI polymer-modified mortar, taking care not to damage the waterproof coating.
8. Waterproof the seat/bench, wall and shower tray joints with an appropriate MAPEI waterproofing membrane. To achieve a waterproofed system, first fill any gap that is over 1/8" (3 mm) with a MAPEI polymer-modified mortar.
9. Option A: When the fill mortar is dry per its Technical Data Sheet, use MAPEI's *Reinforcing Fabric* in combination with *Mapelastic AquaDefense* or *Mapelastic Turbo* to seal all joints with a 3" (7.5 cm) overlap on both sides of the joint. Place fabric into wet liquid and apply pressure to the fabric, working out wrinkles or bubbles while forcing the waterproofing to come through the fabric. While fabric is still wet, apply additional liquid membrane over the fabric until completely covered and let it dry completely.

Option B: *Mapeguard WP ST* waterproofing seaming tape can instead be used to waterproof the system along with an approved MAPEI polymer-modified mortar troweled with a 1/4" x 3/16" (6 x 4.5 mm) sawtooth trowel. Press *Mapeguard WP ST* firmly into the mortar, with at least 2" (5 cm) on each side of the seam and embed the tape. Remove any trapped air and ensure full adhesion to the material by spreading the mortar from the inside out using a trowel or straight-edge with rounded corners.

10. Install tile or stone using an approved MAPEI polymer-modified mortar according to TCNA and ANSI guidelines. To prevent water from pooling in the finished application, the mortar can be sloped toward the drain during tile installation.

Note: For fast-track installations, use a MAPEI rapid-setting, polymer-modified large-and-heavy-tile mortar that is rated as ANSI A118.4FH or better.

Note: Mortars must meet the ANSI A118.4H, ANSI A118.11 or ANSI A118.15H standard or better, or be classified as at least ISO 13007 C2E or C2F.

CLEANUP

- For recommended cleanup procedures, refer to the TDS for the appropriate sealant, polymer-modified mortar and waterproof membrane.

PROTECTION

- Do not store in direct sunlight.
- Protect *Mapeguard Pre-Formed Seat* and *Mapeguard Pre-Formed Bench* from exposure to weather before installation.
- If the finished surface is punctured or penetrated during installation or from jobsite construction, recoat the punctured area and 2" (5 cm) beyond the affected area with *Mapelastic AquaDefense* or *Mapelastic Turbo* along with *Reinforcing Fabric*, or install *Mapeguard WP 200* waterproofing sheet over the affected area. Refer to the appropriate TDS for instructions.
- Regarding protection and curing requirements of the waterproofing system products and mortars that are used, refer to their TDSs.

Packaging

Product Size (length/width/height)	Product Shape	Packaging Size	Boxes Per Pallet
38" x 11-1/2" x 20" (96.5 x 29.2 x 50.8 cm)	Rectangular bench	Box: 39" x 12-1/2" x 21" (99.1 x 31.8 x 53.3 cm)	8
47-3/4" x 15-1/2" x 20" (121 x 39.4 x 50.8 cm)	Rectangular bench	Box: 49" x 16-1/2" x 21" (124.5 x 41.9 x 53.3 cm)	6
22" x 15-1/2" x 20" (55.9 x 39.4 x 50.8 cm)	Triangular seat	Box: 24-1/2" x 13-1/2" x 21" (62.2 x 34.3 x 53.3 cm)	12
23" x 32-1/2" x 20" (58.4 x 82.6 x 50.8 cm)	Triangular seat	Box: 37-3/4" x 18-3/4" x 21" (95.9 x 47.6 x 53.3 cm)	6

RELATED DOCUMENTS

- Reference guide: "Surface preparation requirements" for tile and stone installation systems**

** At www.mapei.com

ADDITIONAL INFORMATION

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).

WARNING

The test results shown in the TECHNICAL DATA table were obtained in compliance with test methods and curing cycles, if applicable, defined in the industry standards referenced on the Technical Data Sheet. Please note that the use of test procedures or methods other than those indicated in the table could lead to different values and that, in such cases, any liability of our company is excluded.

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: January 21, 2025 MK 3000523 (24-3148)

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