



# Glass tile installation solutions

Interior • Exterior • Dry • Submerged







Glass tiles continue to grow in popularity along with increasing availability in shapes, sizes and styles. But the nonporous nature of glass tile requires high-bond-strength mortars that can handle their use on vertical surfaces.

Whether your glass tile installation is interior or exterior, dry or submerged, MAPEI has an installation system that will protect your investment in the long term, no matter what challenge your installation presents.

*\* Note: MAPEI Corporation's mortars and grouts for ceramic and glass tile meet or exceed the specified requirements of ANSI A137.2, the American National Standard Specification for Glass Tile.*





Interior: Countertops, backsplashes, showers and accent walls

All the components for installing beautiful, interior tiles



	Product Code	Packaging
Modified Mortar Bed	0376027	Bag: 60 lbs. (27.2 kg)
Planitop 330 Fast	223523	Bag: 50 lbs. (22.7 kg)
Planislope RS	0376523	Bag: 50 lbs. (22.7 kg)

SURFACE PREP

*Modified Mortar Bed* is a pre-blended, cement-based, polymer-modified, thick-bed and render mortar. It includes a blend of selected aggregates, and like MAPEI's other render and sloping mortars (*Planitop*® 330 Fast and *Planislope*™ RS), does not require the use of a latex additive to create an exceptionally strong mortar.



	Product Code	Packaging
Mapelastic AquaDefense	01953	1 U.S. gal. (3.79 L)
	01963	3.5 U.S. gals. (13.2 L)
	01968	5 U.S. gals. (18.9 L)
	01977	Drum: 55 U.S. gals. (208 L)
Mapelastic Turbo	1676309	Kit: 20 lbs. (9.07 kg)
	1676310	Bag: 22 lbs. (9.98 kg)
	1676408	Pail: 2 U.S. gals (7.57 L)

WATERPROOFING

After the substrate has been properly prepared, consider using a waterproof membrane such as *Mapelastic*® *AquaDefense*, a premium waterproofing and crack-isolation membrane. This premixed, advanced liquid-rubber membrane provides a thin continuous barrier to protect adjacent rooms and floors below from water damage.

*Mapelastic Turbo* premium, rapid-drying, waterproofing and crack-isolation membrane is also an approved product for waterproofing when time is a consideration. It features a two-component, rapid-drying, cementitious-binder-based membrane with fine aggregates, special admixtures and synthetic polymers that is easily applied via a roller or brush. *Mapelastic Turbo* is rapid-setting: You can tile in as little as 90 minutes and flood-test after 3 to 4 hours.





## MORTAR

- To install transparent, translucent or opaque glass mosaic tiles: Use *Adesilex™ P10 Mosaic & Glass Tile* with *Keraply®* or *Kerapoxy®* White premium, stain-free, 100%-solids, epoxy mortar and grout. *Keraply* is a professional-grade, acrylic latex admixture used to enhance the performance of MAPEI's non-modified, dry-set mortars as well as *Adesilex P10* glass tile mortar. The bright white color formulation of *Adesilex P10* glass tile mortar enhances the color of the glass tile. The non-sag properties and creamy paste consistency make it an ideal product for vertical applications where nonslip performance and full coverage are demanded. The inclusion of *Keraply* latex additive enhances bond strength, flexural strength and elongation properties of the mortar installation for premium end-use requirements.
- To install opaque glass mosaic tiles: Use *Keraflex™ Super* premium, extra smooth, polymer-modified thin-set mortar. It has an excellent adhesion to both tile and substrate, as well as enhanced resistance to freeze/thaw environments.
- To install coated or backed tiles: Use *Planicrete® W* polyurethane flexible setting compound or use *Kerapoxy 410* 100%-solids, epoxy setting mortar with high compressive strength and impact resistance.

	Product Code	Packaging
<i>Adesilex P10 Mosaic &amp; Glass Tile</i>	15411 11343000	Bag: 10 lbs. (4.54 kg) Bag: 43 lbs. (19.5 kg)
<i>Keraply</i>	7033010 7030020 7030200	Jug: 2 U.S. gals. (7.57 L) Pail: 5 U.S. gals. (18.9 L) Drum: 55 U.S. gals. (208 L)
<i>Keraflex Super</i>	1200220U	Bag: 44 lbs. (20.0 kg)
<i>Planicrete W</i>	3430007	Kit: 1.8 U.S. gals. (6.81 L)
<i>Kerapoxy 410</i>	3961001	Kit: 3 U.S. gals. (11.4 L)
<i>Kerapoxy CQ</i>	4XX92 and 5UB0XXX58* 4XX52 and 5UB0XXX04* 4XX59 and 5UB0XXX08*	1 U.S. qt. (946 mL) 1 U.S. gal. (3.79 L) 2 U.S. gals. (7.57 L)

\* For the "XX" and "XXX" portions of the product code, use the two- or three-digit number of the desired grout color.



## GROUT

**Keracolor® U** is a premium-grade, preblended, polymer-modified, unsanded, Portland-cement tile grout that requires only the addition of water for mixing. It will grout tile joints from 1/16" to 1/8" (1.5 to 3 mm).

Or, after preparing a mockup to check for scratching, you may also consider using **Kerapoxy CQ**, **MAPEI Flexcolor® CQ**, **MAPEI Flexcolor 3D**, **Ultracolor® Plus FA** or **Ultracolor Plus Max**.



	Keracolor U	Ultracolor Plus FA	Ultracolor Plus Max	MAPEI Flexcolor 3D	MAPEI Flexcolor CQ	Kerapoxy / Kerapoxy CQ / Kerapoxy IEG CQ
Exterior application	✓	✓	✓	✓	✓	✓
Medium and wide joint widths: 1/8" to 5/8" (3 to 16 mm)		✓†	✓†	✓††	✓††	✓†††
Narrow joint widths: 1/16" to 1/8" (1.5 to 3 mm)	✓	✓	✓	✓	✓	✓
Stain and chemical resistance (ANSI A118.3)				✓	✓	✓
Stain-resistant: Sealing not required		✓	✓	✓	✓	✓
Ready to use				✓	✓	



## CAULK/SEALANT

For filling and protecting the corner and movement joints, **Mapesil® T** and **Mapesil T Plus** are professional-grade, 100%-silicone sealants for use on multiple substrates. These products are specifically formulated for heavy traffic and expansion/movement joints. **Mapesil T** and **Mapesil T Plus** are available in MAPEI's full color palette plus Clear.

For non-immersion projects, **Keracaulk® S** and **Keracaulk U** can be considered as excellent options. **Keracaulk S** (sanded) and **Keracaulk U** (unsanded) are premium-grade, easy-to-use, easy-to-clean, siliconized acrylic caulks that are formulated to match all of MAPEI's grout colors.

	Product Code	Packaging
<b>Mapesil T</b>	3BT00XX91 and 3BT0XXX91*	Cartridge: 10.1 U.S. oz. (299 mL)
<b>Mapesil T Plus</b>	3BU0XXX91	Cartridge: 10.1 U.S. oz. (299 mL)
<b>Keracaulk S</b>	3XX10 and 4JA0XXX54*	Cartridge: 10.5 U.S. oz. (311 mL)
<b>Keracaulk U</b>	9XX10 and 4JB0XXX54*	Cartridge: 10.5 U.S. oz. (311 mL)

	Product Code	Packaging
<b>Keracolor U</b>	5UH0XXX05* 5UH0XXX11*	Bag: 10 lbs. (4.54 kg) Bag: 25 lbs. (11.3 kg)
<b>Kerapoxy CQ</b>	4XX92 and 5UB0XXX58* 4XX52 and 5UB0XXX04* 4XX59 and 5UB0XXX08*	1 U.S. qt. (946 mL) 1 U.S. gal. (3.79 L) 2 U.S. gals. (7.57 L)
<b>MAPEI Flexcolor CQ</b>	5XX01 and 4KA0XXX04* 5XX02 and 4KA0XXX08*	Pail: 1 U.S. gal. (3.79 L) Pail: 2 U.S. gals. (7.57 L)
<b>MAPEI Flexcolor 3D</b>	4KN0XXX02*	Pail: 0.5 U.S. gal. (1.89 L)
<b>Ultracolor Plus FA</b>	6BU0XXX05* 6BU0XXX11*	Bag: 10 lbs. (4.54 kg) Bag: 25 lbs. (11.3 kg)
<b>Ultracolor Plus Max</b>	6BS0XXX05* 6BS0XXX11*	Bag: 10 lbs. (4.54 kg) Bag: 25 lbs. (11.3 kg)

\* For the "XX" and "XXX" portions of each product code, use the two- or three-digit number of the desired grout color.



† Up to 3/4" (19 mm)

†† Up to 1/2" (12 mm)

††† Kerapoxy and

Kerapoxy CQ only go up to 3/8" (10 mm).

\* Exterior walls only

## Exterior: Pools, fountains and water features

Rapid-setting systems for beautiful submerged environments



### SURFACE PREP

Prepare the concrete substrate using a blend of 3 parts sand to 1 part cement mixed with *Planicrete AC*. *Planicrete AC* is a liquid acrylic latex admixture designed to enhance the performance of the 3-to-1 site mix, and to increase compressive, flexural and tensile strengths while reducing permeability.

*Modified Mortar Bed* is a pre-blended, cement-based, polymer-modified, thick-bed and render mortar that does not require the use of a latex additive to function as an exceptionally strong mortar.

Another of MAPEI's render mortars, *Planitop 330 Fast*, is faster-setting for wall applications and offers non-sag/nonslump, nonshrinking properties. It is also ideal for submerged applications and works well in freeze/thaw environments.

MAPEI's pre-blended *Planislope RS* does not require the use of a latex additive to create an exceptionally strong mortar. The rapid-setting nature of this product allows you to set tile in 1 to 2 hours. Formulated for use in wet and dry environments, *Planislope RS* is easy to apply and has a smooth finish.

	Product Code	Packaging
<i>Planicrete AC</i>	7013004 7013020	Jug: 1 U.S. gal. (3.79 L) Pail: 5 U.S. gals. (18.9 L)
<i>Modified Mortar Bed</i>	0376027	60 lbs. (27.2 kg)
<i>Planitop 330 Fast</i>	223523	Bag: 50 lbs. (22.7 kg)
<i>Planislope RS</i>	0376523	Bag: 50 lbs. (22.7 kg)

### WATERPROOFING

Waterproof substrates such as pool surfaces with *Mapelastick 315* flexible, cement-based waterproofing membrane. With outstanding performance in environments subject to freeze/thaw, immersion and temperature expansion, *Mapelastick 315* is highly recommended for exterior applications.

*Mapelastick Turbo* premium, rapid-drying, waterproofing and crack-isolation membrane is also an approved product for waterproofing when time is a consideration. It features a two-component, rapid-drying, cementitious-binder-based membrane with fine-grained selected aggregates, special admixtures and synthetic polymers in water dispersion that is easily applied via a roller or brush. *Mapelastick Turbo* is rapid-setting, letting you tile in as little as 90 minutes and flood-test after 3 to 4 hours.



	Product Code	Packaging
<i>Mapelastick 315</i>	31534000 31550000 31557000 31577000	Kit: 34 lbs. (15.4 kg) Bag: 50 lbs. (22.7 kg) Pail: 2 U.S. gals. (7.57 L) Drum: 55 U.S. gals. (208 L)
<i>Mapelastick Turbo</i>	1676309 1676310 1676408	Kit: 20 lbs. (9.07 kg) Bag: 22 lbs. (9.98 kg) Pail: 2 U.S. gals (7.57 L)





## MORTAR

Used for installations of face-mount, mesh-mount or dot-mount glass mosaic tiles, MAPEI's **Granirapid**® White is a premium rapid-setting mortar system, the industry's first and best fast-curing system designed for fast-track projects. **Granirapid** is formulated with MAPEI's High-Hydrated Cement Technology (HCT™), allowing it to develop high early mechanical strength and superior drying-out characteristics for quick curing so that grout can be applied after 3 to 4 hours. **Granirapid** does not contribute to efflorescence. And when installed in conjunction with **Ultracolor Plus FA** grout, **Granirapid** will allow water submersion in only 72 hours.

	Product Code	Color	Packaging
<b>Granirapid</b>	7052057	N/A	Jug: 2 U.S. gals. (7.57 L)
	7052056	N/A	Pail: 5 U.S. gals. (18.9 L)
	7052055	N/A	Drum: 55 U.S. gals. (208 L)
	7051040	Gray	Bag: 50 lbs. (22.7 kg)
	7051041	White	Bag: 46 lbs. (20.9 kg)

## GROUT

Grout the glass tile using either **Ultracolor Plus FA** or **Ultracolor Plus Max**. Both products are high-performance grouts formulated with MAPEI's High-Hydrated Cement Technology. When **Granirapid** is used in conjunction with **Ultracolor Plus FA** or **Ultracolor Plus Max**, the installation will allow water immersion as soon as 72 hours after completion, compared with 28 days for traditional systems. **Ultracolor Plus FA** and **Ultracolor Plus Max** are rapid-setting, "all-in-one" grout replacements for sanded and unsanded grouts. Designed for joint widths from 1/16" to 3/4" (1.5 to 19 mm), **Ultracolor Plus FA** and **Ultracolor Plus Max** are color-consistent and nonshrinking, and do not promote efflorescence.



	Product Code	Packaging
<b>Ultracolor Plus FA</b>	6BU0XXX05*	Bag: 10 lbs. (4.54 kg)
	6BU0XXX11*	Bag: 25 lbs. (11.3 kg)
<b>Ultracolor Plus Max</b>	6BS0XXX05*	Bag: 10 lbs. (4.54 kg)
	6BS0XXX11*	Bag: 25 lbs. (11.3 kg)

\* For the "XXX" portion of the product code, use the three-digit number of the desired grout color.

## SEALANT

For filling and protecting movement joints, **Mapesil T** and **Mapesil T Plus** professional-grade, 100%-silicone sealants can be used on multiple substrates. These products are specifically formulated for heavy traffic and expansion/movement joints. Note: 7-days curing time before pool filling. The resistance of **Mapesil T** and **Mapesil T Plus** to chlorine is dependent on the pH value of the water and the amount of free chlorine. A pH value between 6.5 and 7.6 is required, and the free chlorine remains less than 5 mg per L (5 ppm).



	Product Code	Packaging
<b>Mapesil T</b>	3BT00XX91 and 3BT0XXX91*	Cartridge: 10.1 U.S. oz. (299 mL)
<b>Mapesil T Plus</b>	3BU0XXX91	Cartridge: 10.1 U.S. oz. (299 mL)

\* For the "XX" and "XXX" portions of the product code, use the two- or three-digit number of the desired sealant color.

## High-performance systems with built-in confidence

### MAPEI's system warranties

System warranties from MAPEI provide enhanced coverage, including replacement product and reimbursement of associated replacement costs. For warranty specifics, visit the "Tools & Downloads" section of our Website and click on "Warranties". When considering a system warranty, the customer and the MAPEI representative should review the MAPEI products applicable for each category of the installation – such as surface preparation, waterproofing, mortars and grouts. For any installation exceeding 10,000 square feet (929 m<sup>2</sup>), contact MAPEI's Technical Services Department to confirm the system recommendations.

### Special circumstance warranties

Commercial and residential contractors can contact their distributor to locate a MAPEI sales representative, who can provide a project warranty when it is a required contract document. All project warranties must be requested prior to the start of the installation.

### Videos from MAPEI Technical Institute

Look for new and informative MTI-TV videos on MAPEI's Website or find them on the YouTube channel for MAPEI USA.



### MAPEI Headquarters of North America

1144 East Newport Center Drive  
Deerfield Beach, Florida 33442  
1-888-US-MAPEI (1-888-876-2734) /  
(954) 246-8888

### Technical Services

1-800-992-6273 (U.S. and Puerto Rico)  
1-800-361-9309 (Canada)

### Customer Service

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

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