



Interior Floors

## Floor tile installations

For tile up to 33 x 33 cm (13" x 13")

**Ultraflex™ 2**  
**Ultraflex RS**

Each of these mortars can be installed over:

- ✓ Exterior-grade plywood – 2 layers at 16 mm (5/8") per layer
- ✓ Cement backer units
- ✓ Concrete slab
- ✓ Fiber-reinforced, water-resistant gypsum backer board

For tiles larger than 33 x 33 cm (13" x 13")

**Ultraflex™ LFT**  
**Ultraflex LFT Rapid**

## Wall tile installations



For tile up to 30 x 30 cm (12" x 12")

**Type 1™**



For tiles 33 x 33 cm (13" x 13") or larger

**MAPEI Ultralite™ Mortar**

## Glass tile installations



**Adesilex™ P10\***  
**Adesilex P10 with Keraply**

\*Adesilex P10 cannot be used with glass tile that has a decorative coating on the back. Instead, use Kerabond/Keralastic System. Do not use Adesilex P10 for tiles larger than 15 x 15 cm (6" x 6").

## For installations requiring unmodified mortars



For tiles up to 33 x 33 cm (13" x 13")

**Kerabond™**



For tile larger than 33 x 33 cm (13" x 13")

**Kerabond T**

Interior Walls

## For tile installations in **wet** areas on **floors** and **walls**



For **residential** installations

**Mapelastic™ HPG** with mesh  
**MAPEI Ultralite Mortar**

Mapelastic HPG is a flexible, liquid acrylic waterproofing and crack-isolation membrane.



For **commercial** installations

**Mapelastic AquaDefense**  
**MAPEI Ultralite Mortar**

Mapelastic AquaDefense is a premixed, advanced liquid-rubber, extremely quick-drying waterproofing and crack-isolation membrane.

## Caulking

**Mapesil™**  
100%-silicone sealant



## Care and maintenance

Protect your investment with MAPEI's line of high-quality sealers, cleaners and problem-solving products. Each is formulated to be easy to use, as well as to provide outstanding performance and durability.

- **UltraCare™** Cement Grout Haze Remover
- **UltraCare** Efflorescence Remover
- **UltraCare** Grout Sealer
- **UltraCare** Concentrated Tile & Grout Cleaner
- **UltraCare** Heavy-Duty Stone, Tile & Grout Cleaner
- **UltraCare** Grout Refresh™ Pre-Cleaner



### Grout Refresh

- Allows grout to be changed to any Grout Refresh color
- Restores the look of tile grout
- Colors and seals
- Easy to apply and clean
- Creates a uniform color



Kitchens & Bathrooms





Outdoor Installations

For **exterior tile** installations  
**Floor and wall**

**Kerabond/Keralastic™** System

## Quick-reference charts

SUBSTRATES	Primers for self-leveling materials	
	Primer T™ All-purpose primer for self-leveling underlayments	ECO Prim Grip™ Multipurpose, bond-promoting primer
Absorbent concrete	Yes	Yes
Nonabsorbent concrete	Yes	Yes
Exterior-grade plywood	Yes	Yes
Ceramic	Yes	Yes
VCT	Yes	Yes
Terrazzo	Yes	Yes
Steel	No	Yes
Use with moisture-reduction barriers	Yes	Yes
Approximate coverage	18.6 to 37.2 m <sup>2</sup> per 3.79 L (200 to 400 sq. ft. per U.S. gal.)	13.9 to 27.9 m <sup>2</sup> per 3.79 L (150 to 300 sq. ft. per U.S. gal.)
Cure time at 23°C (73°F)	2 to 5 hours	15 to 60 minutes
Window to install self-leveling materials	Up to 24 hours	Up to 24 hours

While the primers listed are suitable on the substrates indicated, many variables impact final performance. Review the specific primers' Technical Data Sheets for specific instructions. On large projects, consult with a MAPEI technical consultant to ensure that the best primer is selected for your application.

Self-leveling underlayment	Ultraplan® Easy High-performance, easy-preparation, self-leveling underlayment
Over concrete, ceramic, VCT and terrazzo	Yes
Interior	Yes
Substrate profile	Prepared/primed
Application range	Featheredge to 5 cm (2")
Approximate coverage	2,23 m <sup>2</sup> (24 sq. ft.) per bag at 6 mm (1/4")
Working time (23°C [73°F])	15 minutes
Cure time before installing ceramic tile (23°C [73°F])	3 hours
Cure time before installing resilient or wood flooring (23°C [73°F])	24 hours
Compressive strength (ASTM C109)	1 day => 13.8 MPa (2,000 psi); 28 days => 26.3 MPa (4,100 psi)

## Surface Preparation

Proper surface preparation helps to ensure that your tile installation is a success. It is important that all precautions have been taken before tile is installed.



With your smartphone, scan this QR code to consult MAPEI's Reference Guide RG10309, "Surface Preparation Requirements: Tile & Stone Installation Systems," for important information before commencing work.



Surface Preparation

## Trowel Selector Chart

Application	Product	Tile Size	Trowel Size
Walls	Type 1™	19 mm (3/4") mosaics	4,5 x 4,5 mm (3/16" x 3/16") V-notched
		Up to 25 x 25 cm (10" x 10")	6 x 6 x 6 mm (1/4" x 1/4" x 1/4") square-notched
	Adesilex™ P10	15 x 15 cm (6" x 6") or smaller	6 x 6 x 6 mm (1/4" x 1/4" x 1/4") square-notched
	Adesilex P10 / Keraply™ System MAPEI Ultralite™ Mortar	33 x 33 cm (13" x 13") or larger	4,5 x 4,5 mm (3/16" x 3/16") V-notched for mosaics 10 x 10 x 10 mm (3/8" x 3/8" x 3/8") square-notched
Floors	Ultraflex™ 2	33 x 33 cm (13" x 13") or smaller	10 x 10 x 10 mm (3/8" x 3/8" x 3/8") square-notched
	Ultraflex RS	33 x 33 cm (13" x 13") or smaller	10 x 10 x 10 mm (3/8" x 3/8" x 3/8") square-notched
	Ultraflex LFT™	33 x 33 cm (13" x 13") or smaller	10 x 10 x 10 mm (3/8" x 3/8" x 3/8") square-notched
	Ultraflex LFT RS	33 x 33 cm (13" x 13") or larger	12 x 12 x 12 mm (1/2" x 1/2" x 1/2") square-notched
	MAPEI Ultralite™ Mortar	33 x 33 cm (13" x 13") or larger	10 x 10 x 10 mm (3/8" x 3/8" x 3/8") square-notched
	Kerabond/Keralastic™ System Kerabond™ T	33 x 33 cm (13" x 13") or smaller 41 x 41 cm (16" x 16") or larger	10 x 10 x 10 mm (3/8" x 3/8" x 3/8") square-notched 12 x 12 x 12 mm (1/2" x 1/2" x 1/2") square-notched

## Grout Selector Chart



Please contact MAPEI Technical Services regarding recommendations for exterior applications in cold-weather climates.

\*With proper care and maintenance. For the most complete and current product data and instructions, visit [www.mapei.com](http://www.mapei.com).

Grout Characteristic	Keracolor™ S	Keracolor U	Ultracolor® Plus	MAPEI Flexcolor™ CQ
Interior/exterior	✓	✓	✓	✓
Residential/commercial	GOOD	GOOD	BETTER	BEST
Industrial	—	—	✓	✓
Chemical resistance	—	—	—	GOOD
Stain-free*	—	—	—	✓
Mold and mildew protection	GOOD	GOOD	BETTER	BEST
Helps contribute to LEED points	✓	✓	✓	✓
Colors	36	36	36	36
Time until foot traffic (hours)	24	24	3	24
Time until heavy traffic (hours)	72	72	3	48
Efflorescence-free grout (no shading, no mottling)	—	—	✓	✓

Ceramic Decor recommends using **Ultracolor Plus** grout for most tile installations.

Selection Charts



## Pocket-Reference Buying Guide



**CERAMIC DECOR**  
TILE & STONE PROFESSIONALS