2009

Tile & Stone
Installation Systems

- Surface Preparation Products
- Membrane Systems & Waterproofing Products
- Mortars
- Mastics
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- Caulks

MAPEI ®

TECHNOLOGY YOU CAN BUILD ON™

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Atlanta, GA
Hartsfield-Jackson International Airport

MAPEI has the resources to provide architects, builders and contractors with "Total Solutions" for all tile and stone projects. A total solution provides a single-source system – from surface preparation and concrete restoration through the installation of floor coverings. MAPEI systems are also guaranteed and compatible with approved specified flooring manufacturers.

MAPEI is the powerhouse of tile and stone installation systems. MAPEI's mortars, grouts and caulks are in widespread use and especially valued for installations where extreme temperature conditions pose concerns, and where fast-track construction is required.

MAPEI carries adhesives and mortars for all tiles and stones, whether ceramic, porcelain, glass, marble, granite, slate or limestone, composite or agglomerate. An extensive line of grouts and color-matched caulks completes the installation systems.

MAPEI is a unique company. It has transformed from an enterprise of the Italian craft tradition in Milan, Italy, into a global scientific and technological leader in its industry. Today, around the world, MAPEI is working hard to make the best and most useful products for you!

MAPEI remains a leader in tile & stone installation systems through its ongoing commitment to the following principles:

Keeping scientific research at the forefront

Worldwide, 12% of MAPEI employees work in research & development, making technologically superior products and quality service available to customers.

To stay on the cutting edge of innovation and one step ahead of the competition, MAPEI reinvests 5% of its annual sales revenue into research & development of new products. MAPEI's worldwide labs work on more than 150 new projects each year.

Finding solutions to our customers' challenges

MAPEI's technical experts are highly equipped to propose solutions to any jobsite problem, working with R&D to custom-design products and systems to meet the most challenging construction needs.

MAPEI's Technical Services team is committed to helping resolve technical problems. It provides prompt telephone response to customers seeking urgent technical advice including: planning project installations, troubleshooting problems, reviewing product claims and conducting specialized product testing as needed.

Developing environmentally friendly products

At MAPEI, concern for the environmental impact of products is a fundamental part of its philosophy, corporate commitment and responsibility. MAPEI utilizes recycled materials whenever it is practical. For example, more than 20% of *Ultralite Mortar™* (MAPEI's state-of-the-art lightweight mortar) comes from recycled raw materials. Since 2001, MAPEI has been a member of the U.S. Green Building Council, which focuses on sustainable and recyclable building processes as well as environmental and internal air-quality issues.

MAPEI's environmental commitment can be seen with the development of its innovative BioBlock™ technology. For more than 5 years, MAPEI has been building this technology directly into select products to help protect them against mold and mildew.

Following the strictest international standards for quality

MAPEI is devoted to ensuring continuous improvement in quality products and services as it works toward achieving the most comprehensive and demanding International Organization for Standardization (ISO) certification for all of its American facilities.

## Remaining an active member of industry organizations
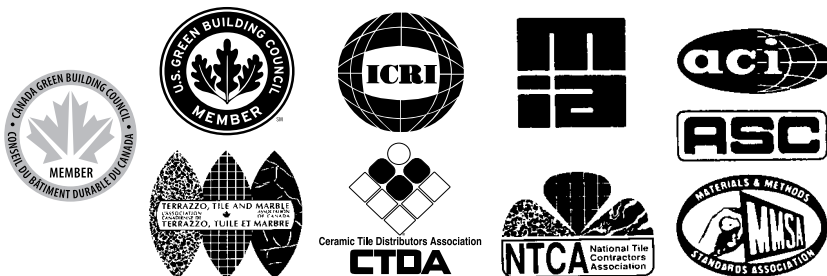
Surface Preparation Products
(Pages 8 – 16)

Product Name and Description	Type of Substrate							Application			Specifications
	Concrete	Plywood (Interior only)	Ceramic Tile*	VCT/Cutback Adhesive	Cement Boards (CBUs)	Gypsum Wallboard	Steel	Interior	Exterior	Fast-Setting	
Planiprep™ RS — Professional Trowelable Underlayment	●							●	●		N/A
Planipatch® — Professional Cement-Based Patching Compound	●	●						●		●	N/A
Planipatch Plus™ — Professional Latex Additive for *Planipatch*	●	●	●	●				●		●	N/A
Ultraplan® Easy — Featheredge to 2" (5 cm) — Easy-Preparation, Fast-Setting, Self-Leveling Underlayment	●	●	●	●			●	●		●	N/A
Ultraplan 1® Plus — Featheredge to 1-1/2" (3,8 cm) — High-Performance, Quick-Setting, Self-Leveling Underlayment	●	●	●	●			●	●		●	N/A
Novoplan® Easy — 1/8" to 1" (3 mm to 2,5 cm) — Easy-Preparation, Self-Leveling Underlayment	●	●	●	●			●	●			N/A
Novoplan 2 — Featheredge to 1" (2,5 cm) — Polymer-Modified, Cement-Based, Self-Leveling Underlayment	●	●	●				●	●			N/A
Mapelastic™ AquaDefense (MAPEI's *Reinforcing Fabric* optional) — Premium Waterproofing and Crack-Isolation Membrane	●	●	●		●	●		●	●	●	ANSI A118.10, IAPMO
Mapelastic 400 (use MAPEI's *Reinforcing Fabric*) — Premium Liquid Rubber Waterproofing Membrane	●	●	●		●	●		●	●	●	ANSI A118.10, IAPMO
Mapelastic 315 (use *Fiberglass Mesh*) — Flexible Cement-Based Waterproofing Membrane	●	●	●		●	●		●	●		ANSI A118.10, IAPMO
Mapelastic HPG (use *Fiberglass Mesh*) — Flexible Waterproofing and Crack-Isolation Membrane	●	●	●		●	●		●	●		ANSI A118.10, IAPMO
Mapesonic™ SM — Sound-Control and Crack-Isolation Membrane	●	●	●	●	●			●			ANSI A118.12
Mapeguard™ SM — Crack-Isolation and Sound-Reduction Sheet Membrane	●	●	●	●	●			●	●		ANSI A118.12
Planiseal™ EMB (one coat) — Premium Epoxy Moisture Barrier	●							●			N/A
Planiseal MRB (two coats) — Moisture-Reduction Barrier	●							●			N/A

* Properly prepared

See Technical Data Sheets for additional information. Test in a small area, as resins may stain or leave residue on surface.
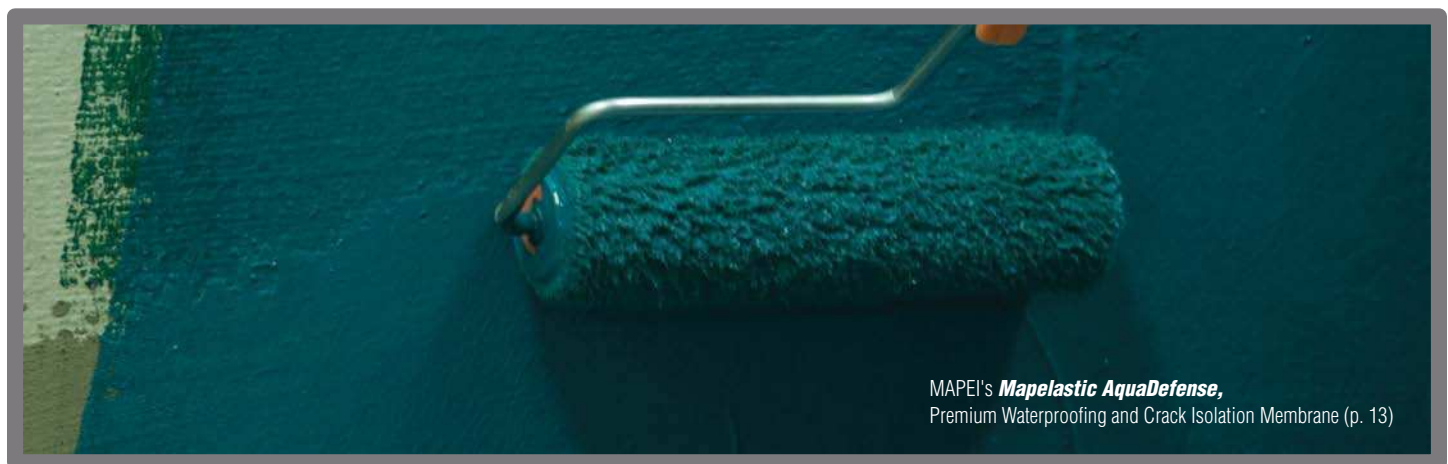
MAPEI's *Mapelastic AquaDefense,*
Premium Waterproofing and Crack Isolation Membrane (p. 13)

Setting Products

(Pages 16 – 25)

Product Name and Description	Concrete	Cement Boards (CBUs)	Gypsum Wallboard*	Plywood	Ceramic Tile	VCT/Cutback Adhesive	Steel	Ceramic	Porcelain	Stone (dimensionally stable)	15" X 15" (38 x 38 cm) or Larger Tile	Glass and Mosaic Tile	Moisture-Sensitive Stone	Interior (residential/commercial)	Exterior (residential)	Exterior (commercial)	Fast-Setting	Water Immersion	Exterior Facades	ISO Classification	ANSI
	Type of Substrate							**Type of Tile**						**Application**							
Granirapid® System Two-component, Premium, Rapid-Setting, Flexible Tile Mortar	●	●	●	●	●	●		●	●	●	●	●		●	●	●	●	●	●	C2FS2P2	A118.4, A118.11
Kerabond/Keralastic™ System Two-component, Premium Flexible Tile Mortar	●	●	●	●	●	●		●	●	●		●		●	●	●		●	●	C2ES2P2	A118.4, A118.11
Ultraflex™ 3 Single-component, Premium-Grade Tile Mortar with Polymer	●	●	●	●	●	●		●	●	●	●			●	●	●		●	●	C2ES1P2	A118.4, A118.11
Ultraflex LFT Premium Large-Format Tile Mortar with Polymer	●	●	●	●	●	●		●	●	●	●			●	●	●		●	●	C2TES1P1	A118.4, A118.11
Ultralite Mortar™ Premium-Grade Lightweight Tile Mortar with Polymer	●	●	●	●	●	●		●	●	●	●			●	●	●				C2TES1P1	A118.4, A118.11
Ultracontact™ (floors only) Premium-Grade, Full-Contact Tile Mortar with Polymer	●	●		●	●	●		●	●	●	●			●	●	●				C2ES1P1	A118.4, A118.11
Ultracontact RS (floors only) Premium-Grade, Rapid-Setting Full-Contact Tile Mortar with Polymer	●	●		●	●	●		●	●	●	●			●	●	●	●			C2FS1P1	A118.4, A118.11
Ultraflex RS Premium-Grade, Rapid-Setting Tile Mortar with Polymer	●	●	●	●	●	●		●	●	●				●	●	●	●			C2FS1P1	A118.4, A118.11
Ultraflex 2 Professional-Grade Tile Mortar with Polymer	●	●	●	●	●	●		●	●	●				●	●	●				C2ES1P1	A118.4, A118.11
Ultraflex 1 Standard-Grade Tile Mortar with Polymer	●	●	●	●				●	●	●				●	●					C2EP1	A118.4, A118.11
Kerapoxy® 410 100%-Solids Epoxy Setting Mortar	●	●			●	●	●	●	●	●			●	●	●	●		●		R2	A118.3
Adesilex™ P10 with *Keraply™* Premium-Grade Glass Tile Mortar with Latex Additive	●	●	●	●	●							●		●	●	●		●		C2TES1P1	A118.4, A118.11
Adesilex P10 Premium-Grade Glass Tile Mortar	●	●	●									●		●	●					C2TE	A118.4
Ultramastic ECO™ High-Performance Floor and Wall Tile Adhesive – walls 10" x 10" (25 x 25 cm), floors 6" x 6" (15 x 15 cm)		●	●	●				●	●					●						D1TE	A136.1
Type 1™ Premium-Grade Floor and Wall Tile Adhesive – walls 10" x 10" (25 x 25 cm), floors 6" x 6" (15 x 15 cm)	●	●	●	●				●	●					●						D2TE	A136.1
Ker® 909 Professional Floor and Wall Ceramic Tile Adhesive – walls 8" x 8" (20 x 20 cm), floors 6" x 6" (15 x 15 cm)	●	●	●	●	●			●	●					●						D1TE	A136.1

* Properly prepared

Grouts

(Pages 25 – 27)

Product Name and Description	Interior (residential/commercial)	Exterior (residential)	Exterior (commercial)	Water Immersion	Industrial	Fast-Curing	Chemical Resistance	Grout Joints < 1/8" (3 mm)	Grouting Polished Stones/Marble	ISO Classification	ANSI
Opticolor™ Optimum-Performance, Easy-Clean, Stain-Free Grout	●	●	●	●			●	●		RG	A118.3
Kerapoxy® IEG 100%-Solids, Industrial-Grade Epoxy Grout	●	●	●	●	●	●	●			RG	A118.3
Kerapoxy Premium, Stain-Free, 100%-Solids Epoxy Mortar and Grout	●	●	●	●	●		●	●		R2T/RG	A118.3
Ultracolor® Plus Premium Rapid-Setting Sanded Grout with Polymer	●	●	●	●		●				CG2WAF	A118.6, A118.7
Keracolor™ S Premium-Grade, Polymer-Modified Sanded Grout	●	●	●	●						CG2WA	A118.6
Keracolor U Premium-Grade, Polymer-Modified Unsanded Grout	●	●	●	●				●	●	CG2WA	A118.6

The header group columns above (Interior through Grouting Polished Stones/Marble) fall under the heading **Application**.

See Technical Data Sheets for additional information.

Test in a small area, as resins may stain or leave residue on surface.

Chicago, Illinois
Trump International Hotel & Tower

MAPEI's *Keracolor S* and *Keracolor U* grouts were used to grout the floors and walls at Sixteen, a luxurious restaurant located on the sixteenth floor of the hotel.

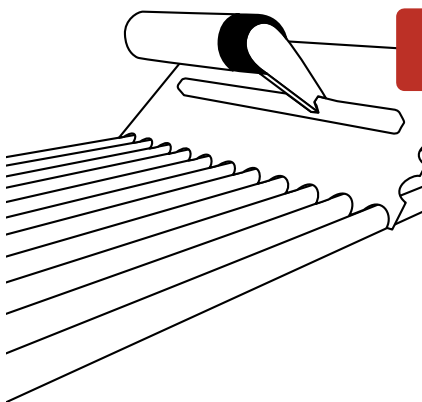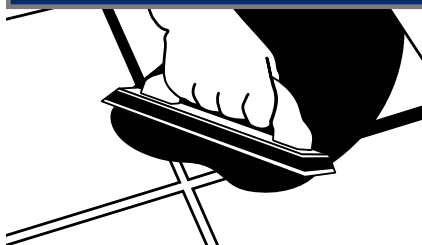# ISO 13007 Standards Product Classifications

Choosing the right materials can be puzzling
Let MAPEI put the pieces together

The tile and stone installation industry has entered a new age that is bringing simplicity and consistency to the architect's task of specifying the right product for the right job. The new ISO 13007 Standards for Adhesives and Grouts make it easier for architects to describe what characteristics they want in the installation products they select for use under the conditions affecting each particular project. The objectivity that architects can now include in their specifications will reverberate through the entire installation network.

The ISO 13007 Standards employ a classification coding system of letters and numbers that indicates to architects, contractors, installers and distributors exactly which adhesive and grout performance requirements must be met for a particular job. MAPEI is displaying the coding on its packaging and literature so customers can easily see which product(s) they should purchase to meet their needs. The chart on the next page demonstrates the ease of using this coding system.

Example: *Granirapid*® System (C2FS2P2)

Adhesives	TYPES	CLASSES	SPECIAL CHARACTERISTICS		
	C = Cementitious (Thin-set mortars)	1 = Normal 2 = Improved	F = Fast-setting T = Slip-resistant E = Extended open time S1 = Deformable S2 = Highly deformable P1 = Plywood adhesion P2 = Improved plywood adhesion		
	D = Dispersion (Mastics)	1 = Normal 2 = Improved	F = Fast-drying T = Slip-resistant E = Extended open time		
	R = Reaction resin (Epoxies)	1 = Normal 2 = Improved	T = Slip-resistant		

Grouts	TYPES	CLASSES	SPECIAL CHARACTERISTICS		
	CG = Cementitious grouts	1 = Normal 2 = Improved	F = Fast-setting A = High abrasion resistance W = Reduced water absorption		
	RG = Reaction resin grouts	–	Higher performance characteristics than improved cementitious grouts		

Look for ISO logos on our Packaging

Granirapid System = C2F + S2 + P2

Index to technology logos

MAPEI supports the new ISO 13007 Standards for adhesives and grouts. This forward-thinking classification system establishes performance-based global standards for the tile-setting industry.

MAPEI's FastTrack Ready products reduce the required steps of an installation and/ or perform more quickly than current technology.

Select MAPEI products for tile and stone installation feature High-Hydrated Cement Technology, offering high early strength, excellent workability, ultra fast curing, unmatched long-term durability and efflorescence-free curing.

MAPEI's BioBlock technology has been added to select products to help protect them from mold and mildew.

Products developed with MAPEI's "green innovation" are LEED-compliant, helping to contribute valuable points toward LEED-certified projects.

Dust-Free Technology reduces dust by up to 90% during the pouring and mixing of cementitious products, while contributing to a cleaner jobsite.

Mapecem® Premix

Fast-Setting, Pre-Blended Mortar Mix

Mapecem Premix is a fast-setting, premixed cement-based mortar for concrete repairs and subfloor preparation work. Mixed exclusively with water, *Mapecem Premix* provides an easy-to-use, high-compressive-strength, fast-setting mortar that sets completely within 24 hours without shrinkage cracks. When properly used, *Mapecem Premix* will allow installation of ceramic tile and natural-stone flooring after only 3 to 4 hours and installation of floor covering (such as vinyl, wood, rubber, linoleum and carpet) after 16 to 18 hours.

	Product Code	Packaging
U.S./Canada	2060019	Bag: 40 lbs. (18,1 kg)

Mapecem®

Fast-Setting Binder for Repair Mortar and Concrete

Mapecem is a high-performance, shrinkage-compensated binder that is added to select aggregates with water to create a fast-curing, high-strength interior repair mortar and topping. Aggregate must be added to this product before placement. See the *Mapecem* Technical Data Sheet for aggregate mixing ratios and application thickness.

	Product Code	Packaging
U.S.	2060040	Bag: 44 lbs. (20 kg)
Canada	206004021	Bag: 44 lbs. (20 kg)
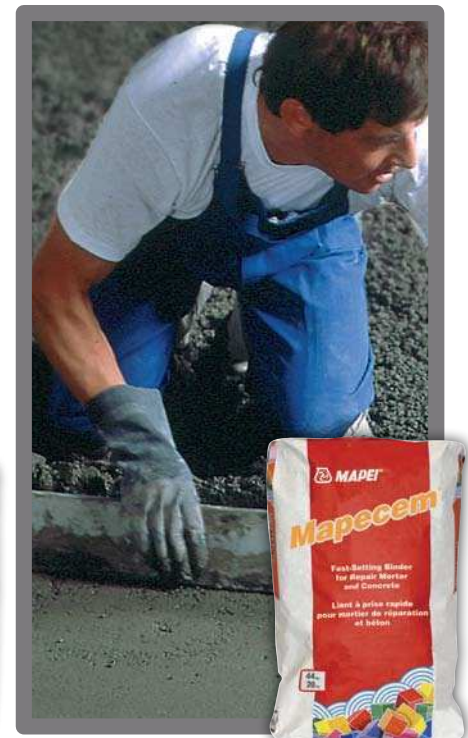
Mapelath™

Synthetic Lath

Mapelath is a lightweight, noncorroding, alkali-resistant synthetic lath used as a substitute for traditional metal lath. It is lighter and easier to work with when installing tile over existing vinyl or other approved substrates.

Ultra SkimCoat™

Premium Fast-Drying, Cement-Based Skimcoating Compound

Ultra SkimCoat is a high-performance, rapid-setting, cement-based skimcoating compound for the finishing and smoothing of dry concrete, approved wood underlayments, properly prepared ceramic tile and nonwater-soluble adhesive residues. Use for skimcoating unfinished, nonlevel, rough-textured concrete and wood underlayments; for preparing and leveling wood-underlayment seam joints; for skimcoating over properly prepared ceramic tile; and for skim-coating well-bonded, nonwater-soluble adhesive residues.
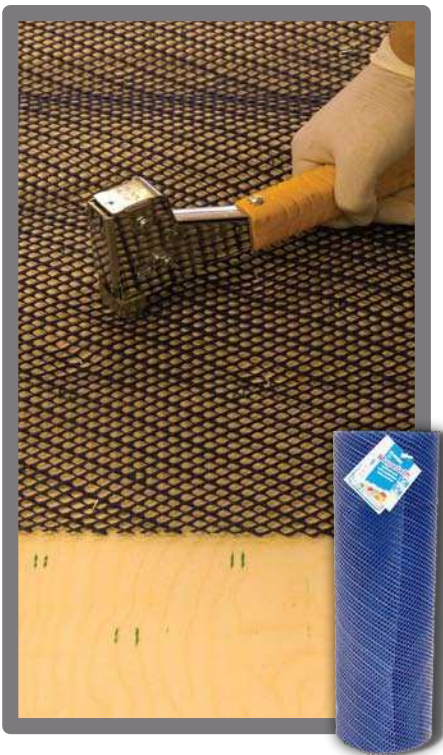
NEW

Planiprep™ RS

Professional Trowelable Underlayment

Planiprep RS is a sanded, cement-based, polymer-modified, fiber-reinforced rapid-set patching compound designed for fast-track repairs. Use *Planiprep RS* to fill trenches, deep voids and holes quickly. *Planiprep RS* can be applied from featheredge up to 4" (10 cm) thick in a single application, making it perfect for the creation of ramps and other deep-repair projects. Easy to mix and apply, *Planiprep RS* can be applied using a steel trowel over small or large areas.

	Product Code	Packaging
U.S./Canada	02702000	Roll: 27" X 75' (68,6 cm x 22,9 m)

	Product Code	Packaging
U.S./Canada	0181510	Bag: 10 lbs. (4,54 kg)

	Product Code	Packaging
U.S./Canada	15225000	Bag in pail: 25 lbs. (11,3 kg)

Mud Bed and Repair Systems • Patching Compounds, Skimcoats and Additives

Patching Compounds, Skimcoats and Additives • Primers for Self-Leveling

Planipatch®

Fast-Setting, Polymer-Modified, Cement-Based Patching Compound

Planipatch is an ultra fast-drying, self-curing, polymer-modified, cement-based patching compound that rapidly develops high compressive strength. Use for smoothing, patching and filling cracks, holes, voids and depressions in concrete and approved wood underlayments before the installation of floor coverings. Floor coverings can be installed just 1 hour after application. Mix with *Planipatch Plus*™ to use as an embossing leveler or patch over properly prepared vinyl sheet goods, vinyl composition tile (VCT), cement terrazzo and residual cutback adhesive surfaces.

Planipatch Plus™

High-Performance Additive for *Planipatch®*

When *Planipatch* is mixed with *Planipatch Plus*, the *Planipatch Plus* System can be used as an embossing leveler or as a patch over properly prepared vinyl sheet goods, vinyl composition tile (VCT), cement terrazzo and residual cutback adhesive surfaces before the direct glue-down installation of floor coverings. Mix diluted *Planipatch Plus* (1 part additive to 3 parts water) with *Planipatch* for use in thin applications over porous and dry concrete.

Planibond® EBA

Epoxy Bonding Agent and Primer

Planibond EBA is a two-component, multipurpose epoxy bonding agent and primer. *Planibond EBA* is nonshrinking, 100%-solids and moisture-insensitive. (Note: This is not a moisture-reduction barrier coating.) *Planibond EBA* is used primarily as a primer for MAPEI self-leveling materials, and as a bonding agent for screeds and repair mortars, with applications for corrosion protection and crack repair. *Planibond EBA* meets ASTM C881 requirements. *Planibond EBA* is a structural adhesive for properly prepared concrete, masonry, metal and wood surfaces.

	Product Code	Packaging
U.S.	0080010	Bag: 10 lbs. (4,54 kg)
	0080025	Bag: 25 lbs. (11,3 kg)
	0080045	Pail: 45 lbs. (20,4 kg)
	0080050	Bag: 50 lbs. (22,7 kg)
Canada	11004000	Bag: 4.4 lbs. (2,27 kg)
	10910000	Bag: 10 lbs. (4,54 kg)
	10922000	Bag: 22 lbs. (9,98 kg)
	10951000	Bag: 50 lbs. (22,7 kg)

	Product Code	Packaging
U.S./Canada	7050001	Jug: 1 U.S. gal. (3,79 L)
	7050005	Pail: 5 U.S. gal. (18,9 L)

	Product Code	Packaging
U.S./Canada	40158000	Kit: 2 U.S. gal. (7,57 L)
	40169000	Part A: 5 U.S. gal. (18,9 L)
	40269000	Part B: 5 U.S. gal. (18,9 L)

Primer WE™

Water-Based Epoxy Primer

Primer WE is a two-component, polymer-modified, solvent-free water-based epoxy primer for enhanced adhesion to nonporous substrates before the application of MAPEI self-leveling materials. When mixed, *Primer WE* is purple for easy identification. It improves adhesion over smooth, nonabsorbent and difficult-to-bond-to substrates such as properly prepared ceramic tile, cement-based terrazzo, old cutback adhesive residue and approved plywood subfloors.

	Product Code	Packaging
U.S./Canada	45457000	Kit: 2 U.S. gal. (7,57 L)
	45468000	Part A: 5 U.S. gal. (18,9 L)
	45568000	Part B: 5 U.S. gal. (18,9 L)

Primer L™

Advanced-Technology Acrylic Latex Primer for Concrete

Primer L is a concentrated, solvent-free acrylic primer used before the installation of underlayments and topping materials. It is green for easy identification. *Primer L* improves the bond between a properly prepared and profiled concrete substrate, and self-leveling underlayment or topping materials. Surface must be mechanically profiled and prepared when using this primer.

	Product Code	Packaging
U.S./Canada	36053000	Jug: 1 U.S. gal. (3,79 L)
	36068000	Pail: 5 U.S. gal. (18,9 L)

Planicrete® AC

Acrylic Latex Admixture for Mortar and Concrete

Planicrete AC is a one-component, concentrated, liquid latex admixture used to enhance the performance of cementitious repair mortars, plasters, stuccos, concrete mixes and toppings for the restoration of horizontal, vertical and overhead concrete; concrete masonry units (CMUs); and masonry surfaces. It is used as an admixture in all cement-based masonry mortars, stucco, sand and cement repair mortars, and any other cement-based material to improve adhesion and reduce permeability. *Planicrete AC* also will increase compressive, flexural and tensile strengths. When mixed with Portland cement, *Planicrete AC* also can be used as a slurry bond coat for concrete.

	Product Code	Packaging
U.S./Canada	7013004	Jug: 1 U.S. gal. (3,79 L)
	7013020	Pail: 5 U.S. gal. (18,9 L)

Self-Leveling Underlayments

Ultraplan® Easy

Easy-Preparation, Fast-Setting, Self-Leveling Underlayment

Ultraplan Easy is an HCT™ (High-Hydrated Cement Technology)-based, quick-setting, self-leveling underlayment that typically requires only a clean, soundly bonded substrate before application. Typically requiring reduced surface preparation, *Ultraplan Easy* provides lower installation costs and fast turnaround on jobsites. It features high strength and is ready for tile in 3 to 4 hours.

NEW
Novoplan® Easy

Easy-Preparation, Self-Leveling Underlayment

Novoplan Easy is a high-strength, self-leveling cement-based underlayment and repair mix for interior concrete and engineer-approved floors. It typically requires reduced surface preparation and only a clean, soundly bonded substrate before application. *Novoplan Easy* provides low installation costs and fast turnaround on jobsites, allowing flooring installations in as little as 12 hours.

Ultraplan® 1 Plus

High-Performance, Quick-Setting, Self-Leveling Underlayment

Ultraplan 1 Plus is an HCT™ (High-Hydrated Cement Technology)-based, quick-setting, self-leveling, self-drying underlayment and repair mix for interior concrete and engineer-approved floors. High-strength and abrasion-resistant, *Ultraplan 1 Plus* is ready for tile in 3 to 4 hours and vehicular rubber-wheel traffic after 3 days.

	Product Code	Packaging
U.S./Canada	24350000	Bag: 50 lbs. (22,7 kg)

	Product Code	Packaging
U.S./Canada	13550000	Bag: 50 lbs. (22,7 kg)

	Product Code	Packaging
U.S./Canada	17350000	Bag: 50 lbs. (22,7 kg)

Novoplan® 2

Polymer-Modified, Cement-Based, Self-Leveling Underlayment

Novoplan 2 is a high-strength, self-leveling, cement-based underlayment and repair mix for interior concrete and engineer-approved floors. *Novoplan 2* is suited for leveling, smoothing and repairing interior floors before the installation of floor coverings. Ceramic tile and natural stone can be installed 24 hours after application. Floor coverings – such as carpet, vinyl sheet goods, vinyl tile, vinyl composition tile (VCT), homogenous PVC, rubber and engineered wood plank – can be installed 1 to 3 days after application, depending upon thickness of application.

Planiseal™ MRB

Moisture-Reduction Barrier

Planiseal MRB is a two-component, solvent-free epoxy coating specially formulated to reduce concrete's moisture vapor emission rates (MVERs) of up to 15 lbs. per 1,000 sq. ft. (6,80 kg per 92,9 m^2) per 24 hours to a rate of below 3 lbs. per 1,000 sq. ft. (1,36 kg per 92,9 m^2) per 24 hours. *Planiseal MRB* provides a uniform protective barrier for the installation of floor coverings, tile, stone and concrete toppings.

NEW

Mapelastic™ AquaDefense

Premium Waterproofing and Crack Isolation Membrane

Mapelastic AquaDefense is a premixed, flexible, thin, ultra fast-drying waterproofing and crack-isolation membrane for installation under ceramic tile or stone in residential, commercial and industrial environments. Easily applied with a roller or brush on flat or curved surfaces, *Mapelastic AquaDefense* provides a continuous barrier to protect adjacent rooms and floors below from water damage. On common problem areas like coves, corners and cracks, combine it with MAPEI's optional *Reinforcing Fabric. Mapelastic AquaDefense* is an advanced liquid-rubber formula that allows tile installation with MAPEI polymer or epoxy mortars after just 30 to 50 minutes of dry time, and flood testing after 12 hours. *Mapelastic AquaDefense* exceeds ANSI A118.10 and ANSI A118.12 standards, and is IAPMO-listed for use as a shower-pan liner.

	Product Code	Packaging
U.S.	17850000	Bag: 50 lbs. (22,7 kg)
Canada	1785000021	Bag: 50 lbs. (22,7 kg)

	Product Code	Packaging
U.S./Canada	45657000	Kit: 2 U.S. gal. (7,57 L)

	Product Code	Packaging
U.S./	01953	1 U.S. gal. (3,79 L)
Canada	01968	5 U.S. gal. (18,9 L)
Special Order –	01977	Drum: 55 U.S. gal. (208 L)

Waterproofing Membranes

Mapelastic™ 400

Premium Liquid Rubber Waterproofing Membrane

Mapelastic 400 is a flexible, thin, load-bearing, waterproofing and crack-isolation membrane system consisting of a premixed, quick-drying liquid rubber and reinforcing fabric. It is for installation under ceramic tile or stone in interior/exterior residential and commercial applications. Applied with roller or brush, *Mapelastic 400* enables tile to be installed with any MAPEI polymer or epoxy mortar after 1 to 3 hours of dry time, whereas shower pans can be flood-tested after 2 days of dry time. With minimal odor, *Mapelastic 400* is great for installations in confined spaces. It exceeds ANSI A118.10 and ANSI A118.12 standards, and is IAPMO-listed for use as a shower-pan liner.

	Product Code	Packaging
U.S./ Canada	33553	Kit: 1 U.S. gal. (3,79 L)
	33568	Kit: 5 U.S. gal. (18,9 L)
	0170007	Fabric Roll: 38" x 75' (97 cm x 22,9 m)
Special Order –	0170055	Drum: 55 U.S. gal. (208 L)

Mapelastic™ 315

Flexible Cement-Based Waterproofing Membrane

Mapelastic 315 is a trowel-applied, two-part, flexible, fiberglass-mesh-reinforced waterproofing and crack-isolation membrane for use in residential, commercial and industrial applications. This durable, time-tested, cement-based product offers excellent bond with any MAPEI polymer or epoxy mortar. Shower pans can be flood-tested after 3 days, and tile can be set after 8 to 12 hours of curing time. To provide an excellent flexible transition between floors and walls, install *Mapelastic 315* with MAPEI's *Mapeband*™ drain flashing and Mapeband cove roll on corners. *Mapelastic 315* exceeds ANSI A118.10 and ANSI A118.12 standards, and is IAPMO-listed for use as a shower-pan liner.

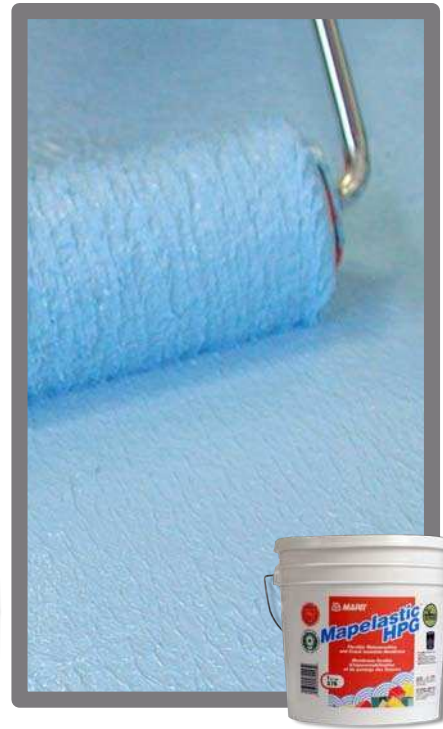|	Product Code	Packaging
U.S./ Canada	31534000	Kit: 34 lbs. (15,4 kg)
	31550000	Bag: 50 lbs. (22,7 kg)
	31557000	Pail: 2 U.S. gal. (7,57 L)

Mapelastic™ HPG

Flexible Waterproofing and Crack-Isolation Membrane

Mapelastic HPG is a ready-to-use, highly flexible, acrylic-based waterproofing and crack-isolation membrane for use in residential to light commercial applications over concrete, masonry, cement board and engineer-approved, exterior-grade plywood. It can be applied to interior surfaces with a roller or trowel and has excellent compatibility with cement-based bonding materials. *Mapelastic HPG* also can be used as a crack-isolation membrane (when used with *MAPEI's Fiberglass Mesh*). When used with this mesh, *Mapelastic HPG* is IAPMO-listed for use as a shower pan liner and exceeds ANSI A118.10 standards. To provide an excellent, flexible transition waterproofing system between floors and walls, install *Mapelastic HPG* with MAPEI's *Mapeband* drain flashing and *Mapeband* cove roll.

	Product Code	Packaging
U.S./Canada	35553000	Bucket: 1 U.S. gal. (3,79 L)
	35568000	Pail: 5 U.S. gal. (18,9 L)

Reinforcing Fabric

MAPEI's *Reinforcing Fabric* is a strong, absorbent polyester reinforcing fabric for use with *Mapelastic 400* and for optional use with *Mapelastic AquaDefense.*

	Product Code	Packaging
U.S./ Canada	0170004	Roll: 6" x 75' (15 cm x 22,9 m)
	0170007	Roll: 38" x 75' (0,97 m x 22,9 m)

Fiberglass Mesh

Fiberglass Mesh is an alkali-resistant mesh for embedment used to reinforce waterproofing membranes and crack-isolation membranes, including MAPEI's *Mapelastic™*, *Mapelastic 315*, *Mapelastic HPG* and *Mapelastic Smart.*

	Product Code	Packaging
U.S./ Canada	03101000	Roll: 3' x 75' (0,91 m x 22,9 m)
	8040002	Roll: 3.28' x 328' (1,00 m x 100 m)
	8040003	Roll: 12" x 150' (30 cm x 45,7 m)

Fiberglass Mesh

Mapeband™

Rubber-Coated Waterproofing Accessories
Mapeband cove roll and drain flashing are flexible, rubber-coated polyester accessories for waterproofing. They are designed for fast, easy embedment with MAPEI's *Mapelastic™*, *Mapelastic 315*, *Mapelastic HPG* and *Mapelastic Smart* waterproofing membranes over coves, corners, drains, expansion and movement joints.

|	Product Code	Packaging
U.S./ Canada	02101000	Drain Flashing: 13.5" x 13.5" (34 cm x 34 cm)
	02401000	Cove Roll: 3" x 163' (7,5 cm x 49,7 m)

Mapeguard™ SM

Crack-Isolation and Sound-Reduction Sheet Membrane
Mapeguard SM is a flexible, thin, load-bearing, fabric-reinforced, "peel-and-stick" crack-isolation and sound-reduction sheet membrane over which ceramic tile or stone can be installed immediately with a MAPEI latex-/polymer-modified cement-based or epoxy mortar and grout. *Mapeguard SM* has a Sound Transmission Class (STC) rating of 69, and an Impact Isolation Class (IIC) rating of 69 based on a 6" (15 cm) concrete slab with a drop ceiling.

	Product Code	Packaging
U.S./Canada	04050000	Roll: 3' x 50' (0,91 m x 15,2 m)

GREEN INNOVATION

Crack Isolation and Sound Control • Flexible Mortar Systems
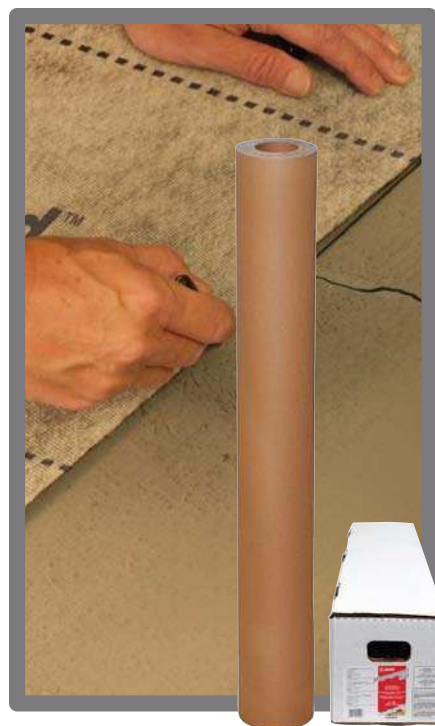
Mapesonic™ SM

Sound-Control and Crack-Isolation Sheet Membrane

Mapesonic SM is a flexible, thin, load-bearing, fabric-reinforced, "peel-and-stick" sound-control and crack-isolation membrane over which ceramic tile or stone can be installed immediately with a MAPEI latex-/polymer-modified cement-based or epoxy mortar and grout. *Mapesonic SM* has a Sound Transmission Class (STC) rating of 73 and an Impact Isolation Class (IIC) rating of 69 over 6" (15 cm) concrete slab with a drop ceiling.

	Product Code	Packaging
U.S./Canada	04135000	Roll: 3' x 35' (0,91 m x 10,6 m)

MAPEI SM Primer™*

Water-Based Primer for *Mapeguard SM* and *Mapesonic SM*

MAPEI SM Primer is designed for priming properly prepared substrates before installing *Mapeguard™ SM* (formerly Mapelastic SM) and *Mapesonic™ SM* sheet membranes.

* Formerly Mapelastic SM Primer

	Product Code	Packaging
U.S./Canada	7071001	Jug: 1 U.S. gal. (3,79 L)
	7071005	Pail: 5 U.S. gal. (18,9 L)

Granirapid® System

Premium, Rapid-Setting, Flexible Tile Mortar

Granirapid is the next generation of high-performance, flexible mortar systems. As the industry's first and only fast-curing system geared for fast-track projects, it uses MAPEI's unique High-Hydrated Cement Technology (HCT™). It develops high, early mechanical strength and can be specified for the same demanding applications as *Keralastic™*; however, *Granirapid* will cure considerably faster because its superior drying-out characteristics produce low residual moisture behind the tile after 24 hours.

Unlike old-generation "rapid sets," *Granirapid* has a much better open and adjustability time while allowing application of grout in 3 to 4 hours. When used in conjunction with *Ultracolor® Plus* grout (also with HCT), the installation will allow water immersion in a revolutionary 72 hours, as opposed to 28 days for traditional systems. *Granirapid* is a definite must when time is critical. *Granirapid* is formulated from a shrinkage-compensated technology that allows medium-bed, high-build capability for large-format tile. Lastly, *Granirapid* (along with any HCT product) does not contribute to efflorescence.

ISO 13007 C2FS2P2   C2F   S2   P2

	Product Code	Color	Packaging
U.S./Canada	7052057	NA	Jug: 2 U.S. gal. (7,57 L)
	7052056	NA	Pail: 5 U.S. gal. (18,9 L)
	7052055	NA	Drum: 55 U.S. gal. (208 L)
	7051040	Gray	Bag: 50 lbs. (22,7 kg)
	7051041	White	Bag: 46 lbs. (20,9 kg)

ANSI A118.4 and ANSI A118.11

GREEN INNOVATION · GREEN INNOVATION · GREEN INNOVATION · MAPEI HCT

Kerabond/Keralastic™ System

Premium Flexible Tile Mortar

The *Kerabond/Keralastic* System is the original and time-proven premium flexible mortar system designed for difficult-to-bond-to natural stone, large porcelain tile and glass-bodied tile. With more than 20 years of success, the *Kerabond/Keralastic* System still is recognized as the benchmark for performance in the tile industry. The *Kerabond/Keralastic* System combines *Keralastic*™, a highly flexible acrylic latex admixture, with *Kerabond*™ premium dry-set mortar.

ISO 13007 C2FS2P2 | C2E | S2 | P2

	Product Code	Color	Packaging
U.S.	0020050	Gray	Bag: 50 lbs. (22,7 kg)
	0010050	White	Bag: 50 lbs. (22,7 kg)
	7022007	NA	Jug: 2 U.S. gal. (7,57 L)
	7020020	NA	Pail: 5 U.S. gal. (18,9 L)
	7020200	NA	Drum: 55 U.S. gal. (208 L)
Canada	002005021	Gray	Bag: 50 lbs. (22,7 kg)
	001005021	White	Bag: 50 lbs. (22,7 kg)
	7022007	NA	Jug: 2 U.S. gal. (7,57 L)
	7020020	NA	Pail: 5 U.S. gal. (18,9 L)
	7020200	NA	Drum: 55 U.S. gal. (208 L)

ANSI A118.4 and ANSI A118.11

The 2-part advantage

MAPEI's two-component Flexible Mortar Systems are the time-proven, high-performance answer to tile and stone installations. These premium systems are unmatched in bond strength, flexibility and long-term performance in even the most demanding applications. Polymers give mortars such unique properties as bond strength and flexibility.

Single-component systems utilize a unique dry polymer requiring only the addition of water; however, there is a limit to the amount of dry polymer that can be added before the product loses its homogenous consistency. The liquid latex additive in two-component systems adds incredible flexibility and linear movement that prevents failures due to structural movement, vibration or impact.

Features and Benefits

- For residential, commercial and industrial applications

- Can be used in demanding applications such as exterior building facades, malls, airports, plazas, radiant-heated substrates, swimming pools and aquatic centers

- Superior attributes such as outstanding resistance to impact, vibration and water immersion

- Freeze/thaw and fatigue resistance

- Flexibility during substrate movements and extreme temperature changes

- Excellent balance between compressive, bond and flexural strengths, plus a consistent bond between the substrate and tile

- Approved for most substrates and tiles

- Proven performance, resulting in fewer failures and callbacks

Ultraflex™ 3

Premium-Grade, Tile Mortar with Polymer

Ultraflex 3 is a premium-grade, single-component, ultra high-performance, polymer-modified thin-set mortar for interior and exterior installations of dimensional stone, ceramic, porcelain and quarry tile. This mortar has a high content of a unique dry polymer, resulting in superior adhesion to the substrate and tile without the need of a latex additive. In addition, it can be used for most interior and exterior residential and commercial tile applications on floors and walls.

ISO 13007 C2ES1P2 | C2E | S1 | P2

	Product Code	Color	Packaging
U.S.	0060058	Gray	Bag: 50 lbs. (22,7 kg)
	0060059	White	Bag: 50 lbs. (22,7 kg)
Canada	006005821	Gray	Bag: 50 lbs. (22,7 kg)
	006005921	White	Bag: 50 lbs. (22,7 kg)

ANSI A118.4 and ANSI A118.11

Polymer-Modified Mortars

NEW

Ultraflex LFT

Premium Large-Format Tile Mortar with Polymer

Ultraflex LFT is a premium nonsag medium-bed and thin-set mortar designed for large-format and heavy tile and stone for interior/exterior floor, wall and countertop installations. This mortar has a high content of unique dry polymer, resulting in excellent adhesion to the substrate and tile. It is formulated with Easy Glide Technology™ for ease of application, and it includes Dust-Free Technology for a 90% reduction in dust while pouring and mixing. *Ultraflex LFT* meets or exceeds ANSI A118.4 and ANSI A118.11 requirements when mixed with water.

ISO 13007 C2TES1P1   C2TE   S1   P1

	Product Code	Color	Packaging
U.S./	11250000	Gray	Bag: 50 lbs. (22,7 kg)
Canada	11350000	White	Bag: 50 lbs. (22,7 kg)

ANSI A118.4 and ANSI A118.11

Ultraflex® RS

Premium-Grade, Rapid-Setting Tile Mortar with Polymer

Ultraflex RS is a premium-grade, single-component, high-performance, polymer-modified, rapid-setting mortar for ceramic tile, porcelain, marble, granite and slate installations. Formulated with MAPEI's unique High-Hydrated Cement Technology (HCT™), *Ultraflex RS* is designed for fast-track projects and installations. It can be used for both interior and exterior installations of tile in most residential floor and wall applications. In commercial applications, use on interior floor and wall installations and exterior floors. For exterior commercial wall applications, use either the *Kerabond/Keralastic*™ or *Granirapid*® system. *Ultraflex RS* meets or exceeds ANSI A118.4 and ANSI A118.11 requirements for fast-setting mortars when mixed with water.

ISO 13007 C2FS1P1   C2F   S1   P1

	Product Code	Color	Packaging
U.S./	0110044	Gray	Bag: 25 lbs. (11,3 kg)
Canada	0110045	Gray	Bag: 50 lbs. (22,7 kg)
	0110047	White	Bag: 50 lbs. (22,7 kg)

ANSI A118.4 and ANSI A118.11

Ker® 121

Professional-Grade Tile Mortar with Polymer

Ker 121 is a professional-grade, single-component, high-performance mortar for ceramic, marble, granite and porcelain stoneware installation over most traditional and specialty substrates. *Ker 121* can be used for most interior and exterior residential floor and wall tile applications. In commercial applications, use on interior floor and wall installations and exterior floors. For exterior commercial wall applications, use either the *Kerabond/Keralastic*™ or *Granirapid*® system. *Ker 121* meets or exceeds ANSI A118.4 and ANSI A118.11 requirements when mixed with water.

ISO 13007 C2ES1P1   C2E   S1   P1

	Product Code	Color	Packaging
U.S.	NA		
Canada	1215000021	Gray	Bag: 50 lbs. (22,7 kg)
	1212500021	Gray	Bag: 25 lbs. (11,3 kg)

ANSI A118.4 and ANSI A118.11

Ultraflex™ 2

Professional-Grade Tile Mortar with Polymer

Ultraflex 2 is a professional-grade, single-component, high-performance, polymer-modified thin-set mortar for interior and exterior installations of dimensional stone, ceramic, porcelain and quarry tile. This mortar has a high content of a unique dry polymer, resulting in excellent adhesion to the substrate and tile. *Ultraflex 2* can be used for most interior and exterior residential floor and wall tile applications. In commercial applications, use on interior floor and wall installations and exterior floors. For exterior commercial wall applications, use either the *Kerabond/Keralastic*™ or *Granirapid*® system. *Ultraflex 2* meets or exceeds ANSI A118.4 and ANSI A118.11 requirements when mixed with water.

ISO 13007 C2ES1P1	C2E	S1	P1

	Product Code	Color	Packaging
U.S./	0060054	Gray	Bag: 25 lbs. (11,3 kg)
Canada	0060055	Gray	Bag: 50 lbs. (22,7 kg)
	0060056	White	Bag: 25 lbs. (11,3 kg)
	0060057	White	Bag: 50 lbs. (22,7 kg)

ANSI A118.4 and ANSI A118.11

Ultraflex™ 1

Standard-Grade Tile Mortar with Polymer

Ultraflex 1 is a single-component, polymer-modified, thin-set mortar for interior and exterior installations of dimensional stone, ceramic, porcelain and quarry tile. This mortar has an above-average content of a unique dry polymer, resulting in good adhesion to the substrate and tile. *Ultraflex 1* can be used for both interior and exterior installations of tile in most residential floor and wall applications. In commercial applications, use on interior floor and wall installations and exterior floors. For exterior commercial wall applications, use either the *Kerabond/Keralastic*™ or *Granirapid*® system. *Ultraflex 1* meets or exceeds ANSI A118.4 and ANSI A118.11 requirements when mixed with water.

ISO 13007 C2EP1	C2E	P1

	Product Code	Color	Packaging
U.S.	0060048	Gray	Bag: 50 lbs. (22,7 kg)
	0060049	White	Bag: 50 lbs. (22,7 kg)
Canada	006004821	Gray	Bag: 50 lbs. (22,7 kg)
	006004921	White	Bag: 50 lbs. (22,7 kg)

ANSI A118.4 and ANSI A118.11

Ker® 111

Economy-Grade Tile Mortar with Polymer

Ker 111 is a single-component, thin-set mortar for interior and exterior installations of dimensional stone, ceramic, porcelain and quarry tile. This mortar is formulated with a unique dry polymer, resulting in good adhesion to substrates and tile.

Ker 111 can be used for interior and exterior installations of tile in most residential floor and wall applications. In commercial applications, use on interior floors and walls as well as exterior floors. For exterior commercial wall applications, use either the *Kerabond/Keralastic*™ or *Granirapid*® system. *Ker 111* meets or exceeds ANSI A118.4 requirements when mixed with water.

ISO 13007 C2	C2

	Product Code	Color	
U.S.	0060046	Gray	Bag: 50 lbs. (22,7 kg)
	0060045	White	Bag: 50 lbs. (22,7 kg)
Canada	NA		
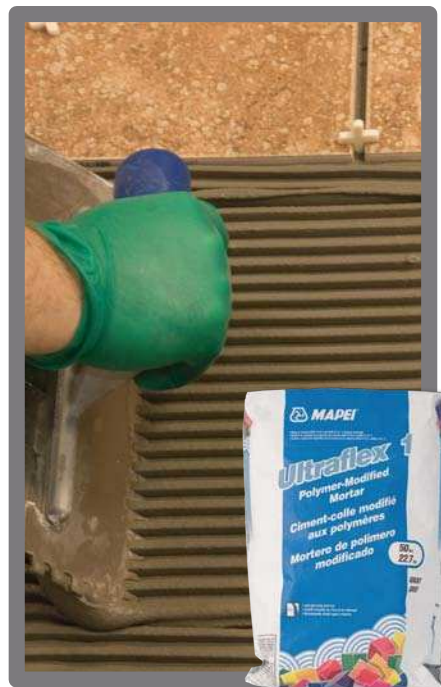
ANSI A118.4

Ultraflor™

Medium-Bed Mortar

Ultraflor is a medium-bed, polymer-modified mortar for interior and exterior setting of large-format tile, including heavy-ribbed-back tile, brick pavers, dimensional tile and natural-stone tile. *Ultraflor* is designed for use at 3/8" to 3/4" (10 to 19 mm) thickness to minimize leveling and back-buttering, and to give better support under large-format tile.

Adesilex™ P10

Premium-Grade Glass Tile Mortar

Adesilex P10 is a premium-grade, bright white, multipurpose thin-set mortar formulated with nonsag properties. *Adesilex P10* is designed for glass tile, glass mosaic and marble mosaic, and is ideal for light translucent natural stone. For added performance and submerged applications, mix with *Keraply*™ additive.

Ultralite Mortar™

Premium-Grade Lightweight Tile Mortar with Polymer

Ultralite Mortar is a lightweight, premium-grade, multipurpose thin-set mortar that also can be used for medium-bed and nonsag applications. It is formulated with Easy Glide Technology™ for ease of application and BioBlock™ technology. *Ultralite Mortar* provides twice the coverage of a standard thin-set mortar. A Universal Color Formula™ product, *Ultralite Mortar* is approved for use with natural stone and light-colored grouts. *Ultralite Mortar* has more than 20% recycled content, contributing to LEED points.

ISO 13007 C2   C2

	Product Code	Color	Packaging
U.S./ Canada	0030051	White	Bag: 50 lbs. (22,7 kg)

ISO 13007 C2TE   C2TE

	Product Code	Color	Packaging
U.S./	11243000	White	Bag: 24 lbs. (10,9 kg)
Canada	11343000	White	Bag: 43 lbs. (19,5 kg)

ISO 13007 C2TES1P1   C2TE   S1   P1

	Product Code	Packaging
U.S.	14625000	Bag: 25 lbs. (11,3 kg)
Canada	1462500021	Bag: 25 lbs. (11,3 kg)

ANSI A118.4

ANSI A118.4 and ANSI A118.11

ANSI A118.4 and ANSI A118.11

Ultracontact™ RS

Premium-Grade, Rapid-Setting Full-Contact Tile Mortar with Polymer

Ultracontact RS is an ultra premium, rapid-setting, polymer-modified, high-performance full-contact mortar. It uses MAPEI's High-Hydrated Cement Technology (HCT™), allowing grout in 3 hours. *Ultracontact RS* meets or exceeds ANSI A118.4 and ANSI A118.11 requirements when mixed with water.

Ultracontact™

Premium-Grade, Full-Contact Tile Mortar with Polymer

Ultracontact is an ultra premium, normal-setting, polymer-modified, high-performance full-contact mortar. This high-flow, full-contact technology takes the guesswork out of mortar transfer and eliminates the need for back-buttering, making it ideal for even large-format tile and stone. *Ultracontact* meets or exceeds ANSI A118.4 and ANSI A118.11 requirements when mixed with water.

Kerapoxy® 410

100%-Solids Epoxy Setting Mortar

Kerapoxy 410 is a solvent-free, 100%-solids epoxy setting floor and wall mortar that is suited for areas where most chemical-resistant setting material is necessary. *Kerapoxy 410* is formulated to be used as a nonsag thin-set for wall applications of porcelain and monocottura tile up to 12" x 12" x 3/8" (30 cm x 30 cm x 10 mm) in format. It also has high compressive strength, which provides excellent impact strength in commercial facilities. *Kerapoxy 410* is designed for setting most types of tile.

ISO 13007 C2FS1P1   C2F   S1   P1

	Product Code	Color	Packaging
U.S.	2030050	Gray	Bag: 50 lbs. (22,7 kg)
	2030051	White	Bag: 50 lbs. (22,7 kg)
Canada	203005021	Gray	Bag: 50 lbs. (22,7 kg)
	203005121	White	Bag: 50 lbs. (22,7 kg)

ISO 13007 C2ES1P1   C2E   S1   P1

	Product Code	Color	Packaging
U.S.	2031050	Gray	Bag: 50 lbs. (22,7 kg)
	2031051	White	Bag: 50 lbs. (22,7 kg)
Canada	203105021	Gray	Bag: 50 lbs. (22,7 kg)
	203105121	White	Bag: 50 lbs. (22,7 kg)

ISO 13007 R2   R2

	Product Code	Packaging
U.S.	3961001	Kit: 3 U.S. gal. (11,4 L)
Canada	396100121	Kit: 3 U.S. gal. (11,4 L)

ANSI A118.4 and ANSI A118.11

ANSI A118.4 and ANSI A118.11

ANSI A118.3

GREEN INNOVATION   MAPEI HCT

GREEN INNOVATION

GREEN INNOVATION

Full-Contact Mortars • Specialty Mortars and Additives

Planicrete® W

Flexible Setting Compound

Planicrete W is tremendously flexible and excellent for installing tile over well-supported and properly prepared steel substrates (such as ship decks, elevators, steel staircases and bank vaults). It is designed for setting most types of tile, including moisture-sensitive tile and stone such as Rosso Levanto marble, Negro Marquina marble, and green marble and their agglomerates.

ISO 13007 R2 **R2**

	Product Code	Packaging
U.S./Canada	3430007	Kit: 1.8 U.S. gal. (6,81 L)

Glass-Block Mortar

Pre-Blended Mortar for Glass-Block Installations

Glass-Block Mortar is a premixed blend of Portland cement, sand and chemicals specifically designed for glass-block installation. This white mortar can be used for both setting and grouting of the block.

	Product Code	Color	Packaging
U.S.	0140050	White	Bag: 50 lbs. (22,7 kg)
Canada	014005021	White	Bag: 50 lbs. (22,7 kg)

Kerabond™

Premium Tile Mortar

Kerabond is a premium-grade dry-set mortar for use in most interior, exterior, residential and light commercial floor and wall applications. This premium dry-set mortar is part of the *Kerabond/ Keralastic*™ high-performance mortar system.

ISO 13007 C1 **C1**

	Product Code	Color	Packaging
U.S.	0020050	Gray	Bag: 50 lbs. (22,7 kg)
	0010050	White	Bag: 50 lbs. (22,7 kg)
Canada	00205021	Gray	Bag: 50 lbs. (22,7 kg)
	001005121	White	Bag: 50 lbs. (22,7 kg)

ANSI A118.1

Dry-Set Mortars • Dry-Set Mortar Latex Addivies

Keraset ®

Professional Tile Mortar

Keraset is a professional-grade, dry-set mortar for use in most interior/exterior residential floor and wall applications.

Keraflor ™

Standard Tile Mortar

Keraflor is a dry-set mortar for use in interior/exterior residential and light commercial floor applications.

Keralastic ™

Premium-Grade, Flexible-Mortar Latex Additive

Keralastic is a premium-grade, high-performance, second-generation "flexible" acrylic latex additive used in the *Kerabond/Keralastic* ™ System. This highly recommended additive enhances bond strength, flexural strength, elongation and freeze/thaw durability. To ensure proper flexibility, always use a latex additive when using a dry-set mortar for applications over plywood and for setting nonvitreous, semivitreous, vitreous and impervious tiles.

See the *Kerabond/Keralastic* System's Technical Data Sheet for the complete attributes of this setting system.

ISO 13007 C1 | C1

	Product Code	Color	Packaging
U.S.	0050050	Gray	Bag: 50 lbs. (22,7 kg)
	0050051	White	Bag: 50 lbs. (22,7 kg)
Canada	N/A		

ISO 13007 C1 | C1

	Product Code	Color	Packaging
U.S.	0040050	Gray	Bag: 50 lbs. (22,7 kg)
	0040051	White	Bag: 50 lbs. (22,7 kg)
Canada	0040050	Gray	Bag: 50 lbs. (22,7 kg)

	Product Code	Packaging
U.S./	7022007	Jug: 2 U.S. gal. (7,57 L)
Canada	7020020	Pail: 5 U.S. gal. (18,9 L)
	7020200	Drum: 55 U.S. gal. (208 L)

ANSI A118.1

ANSI A118.1

Keraply™

Professional-Grade, Dry-Set Mortar Latex Additive

Keraply is a professional-grade, acrylic latex admixture used to enhance the performance of *Keraflor*™ and *Keraset* ® dry-set mortars as well as *Adesilex*™ *P10* glass tile mortar. This highly recommended admixture enhances bond strength, flexural strength, elongation and freeze/thaw durability. To ensure proper flexibility, always use a latex additive when using a dry-set mortar for applications over plywood and for setting nonvitreous (porous) tiles.

Keracrete™

Latex Additive for Site-Prepared Thin-Set

Keracrete is a specially formulated latex additive for jobsite-prepared setting beds (1 part sand to 1 part cement), resulting in a highly water- and frost-resistant mortar. *Keracrete* can be used in interior and exterior applications over structurally sound concrete, masonry block, gypsum wallboard and cement board to set marble, granite, pavers, quarry tiles, and vitreous and nonvitreous ceramic tiles.

Ultramastic ECO™

High-Performance Floor and Wall Tile Adhesive

Ultramastic ECO is a premium, solvent-free adhesive with an excellent open time and terrific sag resistance. Use *Ultramastic ECO* for installations of wall tiles up to 10" x 10" (25 x 25 cm), and floor tiles up to 6" x 6" (15 x 15 cm). *Ultramastic ECO* meets the requirements of SCAQMD #1168, making it the perfect choice for your next LEED-qualified project.

ISO 13007 D1TE

	Product Code	Packaging
U.S./	7033010	Jug: 2 U.S. gal. (7,57 L)
Canada	7030020	Pail: 5 U.S. gal. (18,9 L)
	7030200	Drum: 55 U.S. gal. (208 L)

	Product Code	Packaging
U.S.	7010021	Pail: 5 U.S. gal. (18,9 L)
	7010200 – Special Order	Drum: 55 U.S. gal. (208 L)
Canada	N/A	

	Product Code	Packaging
U.S.	1040015	Pail: 3.5 U.S. gal. (13,2 L)
Canada	90791000	Pail: 1 U.S. qt. (946 mL)
	90753000	Pail: 1 U.S. gal. (3,79 L)
	90763000	Pail: 3.5 U.S. gal. (13,2 L)

ANSI A136.1, Type 1

Type 1™

Premium-Grade Floor and Wall Tile Adhesive

Type 1 is a professional-grade, traditional, nonflammable, organic adhesive for setting impervious, vitreous, semivitreous and nonvitreous tile over gypsum drywall (walls only), cement board, exterior-grade plywood, concrete and masonry block. Use *Type 1* to install floor tiles up to 6" x 6" (15 x 15 cm), and wall tiles up to 10" x 10" (25 x 25 cm). Nonslip for vertical use, *Type 1* has extended working time for easy application.

Ker® 909

Professional Floor and Wall Ceramic Tile Adhesive

Ker 909 is a ready-to-use, nonflammable, high-viscosity, synthetic polymer emulsion-based adhesive. *Ker 909* is used for residential and light commercial interior installations of wall tiles up to 8" x 8" (20 x 20 cm), and interior residential floor and countertop tile up to 6" x 6" (15 x 15 cm). *Ker 909* also has a minimal odor, making it ideal for tile installations in confined or restricted areas.

Kerapoxy® IEG

100%-Solids, Industrial-Grade Epoxy Grout

Kerapoxy IEG is a water-cleanable 100%-solids epoxy grout, with high chemical and stain resistance. It is a nonshrinking, nonsagging, fast-curing, efflorescence-free grout. It is ideal for installations where high-strength, mold- and mildew-resistant grout joints are required. *Kerapoxy IEG* has high temperature resistance and can be steam-cleaned. It is formulated for use in cooler temperatures. *Kerapoxy IEG*'s high strength as well as its high resistance to chemicals, mold and mildew make it the perfect for use in industrial and heavy commercial applications.

ISO 13007 D1TE **D2TE**

	Product Code	Packaging
U.S./	1040010	Pail: 1 U.S. qt. (946 mL)
Canada	1040011	Pail: 1 U.S. gal. (3,79 L)
	1040016	Drum: 3.5 U.S. gal. (13,2 L)

ISO 13007 D1TE **D1TE**

	Product Code	Packaging
U.S.	90963000	Pail: 3.5 U.S. gal. (13,2 L)
Canada	90968000	Pail: 5 U.S. gal. (18,9 L)

ISO 13007 RG **RG**

	Product Code	Packaging (Liquid Unit)
U.S./Canada	*	Large Unit

* Refer to price list for product codes and colors.

ANSI A136.1, Type 1

ANSI A136.1, Type 1

GREEN INNOVATION

ANSI A118.3

GREEN INNOVATION

Specialty Grouts

Kerapoxy®

Premium, Stain-Free, 100%-Solids Epoxy Mortar and Grout

Kerapoxy is a premium-grade, water-cleanable, 100%-solids, high-strength epoxy mortar and chemical-resistant nonsagging grout system. Available in all MAPEI colors for grouting, *Kerapoxy* is excellent for countertops, high-traffic areas, and areas needing stain and chemical resistance. *Kerapoxy*'s unique formula allows it to be used as both a grout and mortar.

Opticolor™

Optimum-Performance, Easy-Clean, Stain-Free Grout

Opticolor is an improved, water-cleanable, reactive resin grout with chemical and stain resistance. It is a nonsagging, efflorescence-free grout with no shrinkage. *Opticolor* provides color uniformity, stain resistance and durability beyond that of cement grouts. In addition, it is easy to maintain, will clean to the original color and contains BioBlock™ technology. *Opticolor* is great for use in wet-area applications, such as showers, swimming pools, fountains and steam rooms.

NEW

Ultracolor® Plus

Premium Rapid-Setting Sanded Grout with Polymer

Ultracolor Plus with DropEffect™ technology is an ultra premium, fast-setting, polymer-modified, color-consistent, nonshrinking, efflorescence-free grout for joint widths from 1/8" to 1" (3 mm to 2,5 cm). DropEffect technology reduces surface absorption to help repel water, dirt and grime from penetrating grout joints. *Ultracolor Plus* is specially formulated with MAPEI's High-Hydrated Cement Technology (HCT™) to eliminate the common problems related to Portland-cement grout, such as color consistency and efflorescence.

ISO 13007 R2T/RG R2T RG

	Product Code	Packaging (Liquid Unit)
U.S./	*	Kit: 1 U.S. qt. (946 mL)
Canada	*	Kit: 1 U.S. gal. (3,79 L)
	*	Kit: 2 U.S. gal. (7,57 L)

* Refer to price list for product codes and colors.

ISO 13007 RG RG

	Product Code	Packaging (Liquid Unit)
U.S./	*	Small Kit
Canada	*	Medium Kit
	*	Large Kit (Commercial)
	*	Bag: 2.25 lbs. (1,02 kg)
	*	Bag: 9 lbs. (4,08 kg)

* Refer to price list for product codes and colors.

ISO 13007 CG2WAF CG2 WAF

	Product Code	Packaging
U.S./	*	Bag: 10 lbs. (4,54 L)
Canada	*	Bag: 25 lbs. (11,3 kg)

* Refer to price list for product codes and colors.

ANSI A118.3

ANSI A118.3

ANSI A118.6 and ANSI A118.7

NEW
Premixed Grout

Ready-to-use grout

Premixed Grout is a premium stain-resistant grout for ceramic, porcelain and natural-stone tile in residential light-duty interior installations, such as walls, floors, countertops and showers. *Premixed Grout* is mold- and mildew-resistant and can be used for grout joints from 1/16" to 1/2" (1,5 to 12 mm). Use for intermittent wet conditions such as residential backsplashes, countertops, tubs and surrounds, shower walls and shower floors.

	Product Code	Packaging
U.S./	*	2 U.S. qt. (1,89 L)
Canada	*	1 U.S. gal. (3,79 L)

* Refer to price list for product codes and colors.

Keracolor™ S

Premium-Grade, Polymer-Modified Sanded Grout

Keracolor S is a premium-grade, pre-blended, polymer-modified sanded Portland-cement tile grout that requires only the addition of water for mixing. It will grout joints from 1/8" to 5/8" (3 to 16 mm).

ISO 13007 CG2WA CG2 WA

	Product Code	Packaging
U.S./	*	Bag: 10 lbs. (4,54 L)
Canada	*	Bag: 25 lbs. (11,3 kg)

* Refer to price list for product codes and colors.

ANSI A118.6

Keracolor™ U

Premium-Grade, Polymer-Modified Unsanded Grout

Keracolor U is a premium-grade, pre-blended, polymer-modified unsanded Portland-cement tile grout that requires only the addition of water for mixing. It will grout joints from 1/16" to 1/8" (1,5 to 3 mm).

ISO 13007 CG2WA CG2 WA

	Product Code	Packaging
U.S./	*	Bag: 10 lbs. (4,54 L)
Canada	*	Bag: 25 lbs. (11,3 kg)

* Refer to price list for product codes and colors.
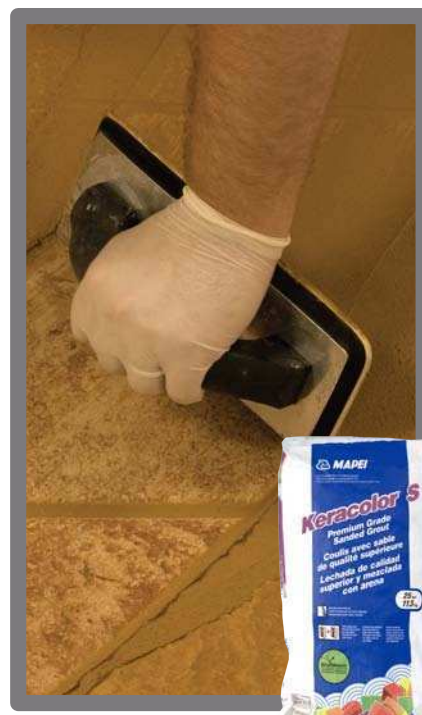
ANSI A118.6

Keracaulk™ S

Premium Sanded Siliconized Acrylic Caulk

Keracaulk S is a premium-grade, easy-to-use, easy-to-clean sanded siliconized acrylic caulk formulated to match all of MAPEI's grout colors.

Keracaulk™ U

Premium Unsanded Siliconized Acrylic Caulk

Keracaulk U is a premium-grade, easy-to-use, easy-to-clean unsanded siliconized acrylic caulk formulated to match all of MAPEI's grout colors.

Keraclean™ E

Epoxy Grout Film Remover

Keraclean E epoxy grout film remover contains no methylene chloride. Formulated with no hazardous materials and low vapor pressure, *Keraclean E* is safe to handle and does not pose explosion or inhalation hazards. This remover is completely miscible with water and biodegradable. The residue and the film it has removed require special waste disposal (see Technical Data Sheet for details).

	Product Code	Packaging
U.S./ Canada	*	Cartridge: 10 U.S. oz. (296 mL)

* Refer to price list for product codes and colors.

	Product Code	Packaging
U.S./ Canada	*	Cartridge: 10 U.S. oz. (296 mL)

* Refer to price list for product codes and colors.

	Product Code	Packaging
U.S./	3645001	Can: 1 U.S. qt. (946 mL)
Canada	3645002	Jug: 1 U.S. gal. (3,79 L)

MAPEI TECHNICAL INSTITUTE™

## Providing education as a key to success

MAPEI strongly believes in supporting the training of architects, engineers, distributors and installers. The MAPEI Technical Institute – located in facilities in Florida, Texas and California as well as in Laval, Canada – conducts two- and three-day training courses in custom-designed, high-tech facilities. These courses offer practical demonstrations, hands-on workshops, video presentations and seminars.

Tile & Stone Installation Systems (TSIS)

Basics and Hands-On Training
Covers products for surface preparation, waterproofing, crack isolation, tile and stone installation, and grouting
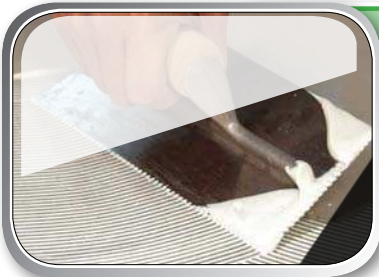
Floor Covering Installation Systems (FCIS)

Basics and Hands-On Training
Covers products for surface preparation, moisture mitigation, vinyl, rubber, carpet and wood flooring

Concrete Restoration Systems (CRS)

Basics and Hands-On Training
Focuses on levelers, toppings, moisture mitigation and concrete repair

Sign up for MTI training by contacting your local MAPEI sales representative. For details on U.S. seminars, contact Maria Albertorio at (954) 246-8538. For details on seminars in Laval, please contact Raffaelina Aceto at (450) 662-1212, extension 293.

TECHNOLOGY YOU CAN BUILD ON™

Tile & Stone Installation Systems

- Surface Preparation Products
- Membrane Systems & Waterproofing Products
- Mortars
- Mastics
- Grouts
- Caulks

Concrete Restoration Systems

- Self-Leveling Underlayments • Self-Leveling Toppings
- Primers for Self-Leveling
- Patching and Skimcoating Compounds • Screeds
- Concrete Repair Mortars • Construction Grouts
- Exterior Refinishing • Waterproofing • Repair Epoxies
- Curing Compounds and Admixtures • Corrosion Protection • Sealer
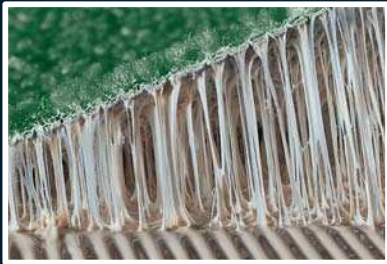
Floor Covering Installation Systems

- Carpet Adhesives
- Flooring Adhesives
- Resilient Adhesives
- Wood Adhesives
- Moisture-Control Products
- Patching and Repair Products

MAPEI Worldwide Locations

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Portugal
Romania

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Slovakia
Slovenia
Spain
Sweden
Switzerland
Ukraine
United
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1-800-361-9309 (Canada)

For more information on the complete line of **MAPEI** products,
visit our Website at www.mapei.com.

www.mapei.com

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