A complete line of
Primers • Epoxies • Underlayments • Toppings
Concrete Repair Mortars • Additives • Waterproofing
Grouts • Accessories for construction

2004
MAPEI has the resources to provide architects, builders and contractors “The Solution” for all concrete restoration and flooring projects. This 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 all specified flooring manufacturers.

CONCRETE RESTORATION SYSTEMS:
- Primers & Epoxies
- Self-Leveling Toppings and Underlayments
- Decorative Flooring Systems
- One-Component Concrete Repair Mortars
- Two-Component Concrete Repair Mortars
- Multi-Purpose Additives
- Corrosion Protection
- Construction Grouts
- Toppings
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TILE & STONE INSTALLATION SYSTEMS FOR:
- Ceramic
- Porcelain
- Glass
- Marble & Granite
- Slate & Limestone
- Composite and Agglomerate

FLOOR COVERING INSTALLATION SYSTEMS FOR:
- VCT & Pure Vinyl Tile
- Carpet & Carpet Tile
- Homogeneous PVC
- Inlaid Vinyl
- Residential Sheet Vinyl
- Linoleum
- Rubber

MAPEI is a unique company. It has transformed from an enterprise of the Italian craft tradition into a global scientific and technological leader in its industry. Today, from the world headquarters in Milan, Italy, Dr. Giorgio Squinzi is leading MAPEI into the next millennium. And in the fast-growing Western Hemisphere, Mr. Nick DiTempora directs the company operations.

We’ve grown from a small company to a multinational world leader...and we’re still growing so that we have the resources to meet your every need!
MAPEI Products can be found in the most challenging projects in the world. The company’s technologically advanced products are suited for all modern projects, large or small. MAPEI’s world-class Research & Development team continually develops cutting-edge, innovative solutions for all of today’s projects and for any future challenges.

When the floors of the Vatican Library, one of the most beautiful and prestigious buildings in the world, needed to be restored, only MAPEI was trusted for this project. MAPEI provides the same detailed, quality solutions for all restoration projects, from a warehouse floor to the Vatican Library floor.

Restoring the Past

When the floors of the Vatican Library, one of the most beautiful and prestigious buildings in the world, needed to be restored, only MAPEI was trusted for this project. MAPEI provides the same detailed, quality solutions for all restoration projects, from a warehouse floor to the Vatican Library floor.

Challenging the Future...

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ACRYLIC LATEX PRIMER FOR CONCRETE

Ultraprime L is a concentrated, solvent-free acrylic primer used prior to the installation of MAPEI self-leveling materials. Ultraprime L is green in color for easy identification. Ultraprime L improves the bond between a properly prepared and profiled concrete substrate and MAPEI self-leveling underlayment or topping materials.

WATER-BASED EPOXY PRIMER

Ultraprime WE is a two-component, polymer-modified, solvent-free water-based epoxy primer for enhanced adhesion to non-porous substrates prior to the application of MAPEI self-leveling materials. When mixed together, Ultraprime WE is purple in color for easy identification. Ultraprime WE improves adhesion over smooth, non-absorbent and difficult to bond substrates such as properly prepared ceramic tile, vinyl asbestos tile, vinyl composition tile (VCT), cement or epoxy-based terrazzo, old cutback adhesive residue and engineer-approved wooden sub-floors.

EPOXY GEL ADHESIVE

Planibond E-Gel is a two-component, multipurpose epoxy bonding agent and primer. Planibond E-Gel is non-shrinking, 100% solids and insensitive to the effects of moisture. Planibond E-Gel meets ASTM C-881 requirements. Planibond E-Gel is a structural epoxy paste adhesive and binder designed to promote adhesion to concrete, install anchors, fill cracks and act as a primer/binder for epoxy concrete repair mortars.
Planibond 2C is a two-component, cement-based anti-corrosion and bonding agent. Planibond 2C (formerly Planprim 2C) is a two-component system consisting of water-based polymers and corrosion inhibitors. Planibond 2C is suited to be applied on reinforcing steel before the placement of repair products to prevent corrosion and to be used as a slurry bond coat for mortars and concrete.

Planibond 3C is a three-component, cement-based anti-corrosion and bonding agent. Planibond 3C is a three-component corrosion inhibitor and bonding agent system consisting of water-based, solvent-free, moisture-tolerant, epoxy-modified corrosion inhibitors. Planibond 3C can be applied using a brush, short nap roller, push broom, or hopper spray equipment. Planibond 3C is suited as a cementitious bonding agent and corrosion protection treatment. Use Planibond 3C on all exposed reinforcing steel and as a bonding agent before the placement of repair products.

Planibond EBA is a two-component, multipurpose epoxy bonding agent and primer. Planibond EBA is non-shrinking, 100% solids and moisture insensitive. (Note: This is not a moisture reduction barrier coating.) Planibond EBA is used primarily as a bonding agent for MAPEI Self-Leveling Materials, Screeds and Repair Mortars. Planibond EBA is also used for a variety of applications, such as a bonding agent for adhesion of fresh concrete and mortars to cured concrete and epoxy-primed steel; grout used to install anchors, bolts, dowels, rods, steel bars and faceplates; epoxy repair mortar (for interior use only) with the addition of select aggregates; structural crack filler in gravity feed or injection applications; corrosion protection and coating for steel reinforcing bars; and structural adhesive for properly prepared concrete, masonry, steel and wood surfaces. Planibond EBA meets ASTM C-881 requirements.
SELF-LEVELING TOPPINGS

Ultratop is an HCT™ (High-hydrated Cement Technology)-based, self-leveling, self-drying topping that is specially formulated for the resurfacing and construction of horizontal surfaces. Ultratop comes in light gray and white and is used for fast-track resurfacing and construction of horizontal wear surfaces. The white product is designed to maximize the brilliance of architectural stains, integral coloring agents, unique additives, sealers and coatings. Ultratop provides the ultimate palette for designing unique and artistic floors for retail stores, mall corridors and entrances, showroom floors, restaurant floors, hotel lobbies, loft apartments… nearly anywhere a unique, creative floor is desired. Ultratop is also tough enough for industrial warehouse floors and loading docks subject to continual vehicular and foot traffic.

Ultraplan M20 is an HCT™ (High-hydrated Cement Technology)-based, quick-setting, self-leveling, self-drying material that is specially formulated for the resurfacing and construction of horizontal surfaces as an industrial or commercial wear topping or underlayment for floor coverings. Ultraplan M20 is gray in color and can be used for fast-track resurfacing and construction of horizontal wear surfaces and is designed to accept architectural stains as well as industrial or commercial sealers and coatings. Ultraplan M20 provides a palette for designing unique and artistic floors for retail stores, mall corridors and entrances, showroom floors, restaurant floors, hotel lobbies, loft apartments… nearly anywhere a unique, creative floor is desired. Ultraplan M20 is also tough enough for industrial warehouse floors and loading docks subject to continual vehicular and foot traffic. Ultraplan M20 can also be used for quick-turnaround leveling, smoothing and repairing interior floors prior to the installation of a floor covering. Ceramic tile and natural stone can be installed in as little as 3 – 4 hours after application. Floor coverings, such as carpet, vinyl sheet goods, vinyl tile, VCT, homogenous PVC, rubber, engineered wood plank and polymer floor coatings and toppings, can be installed 16 – 24 hours after application.
SELF-LEVELING UNDERLAYMENTS

**Ultraplan 1**

**HIGH-PERFORMANCE, QUICK-SETTING SELF-LEVELING UNDERLAYMENT**

Ultraplan 1 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. Ultraplan 1 has very high strength and is abrasion-resistant, able to withstand light foot traffic after 2 – 3 hours and vehicular rubber wheel traffic after 3 days. Ultraplan 1 is suited for quick-turnaround leveling, smoothing and repairing interior floors prior to the installation of a floor covering. Ceramic tile and natural stone can be installed in as little as 3 – 4 hours after application. Floor coverings, such as carpet, vinyl sheet goods, vinyl tile, VCT, homogenous PVC, rubber and engineered wood plank, can be installed 16 – 24 hours after application.

**Novoplan 6**

**CEMENT-BASED SELF-LEVELING UNDERLAYMENT**

Novoplan 6 is a self-leveling, cement-based underlayment and repair mix for interior concrete floors. Novoplan 6 is suited for leveling, smoothing and repairing interior concrete floors prior to the installation of a floor covering. Ceramic tile and natural stone can be installed 72 hours after application. Floor coverings, such as carpet, vinyl sheet goods, vinyl tile, VCT, homogenous PVC, rubber and engineered wood plank, can be installed 7 days after application.

**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 prior to the installation of a floor covering. Ceramic tile and natural stone can be installed 24 hours after application. Floor coverings, such as carpet, vinyl sheet goods, vinyl tile, VCT, homogenous PVC, rubber and engineered wood plank, can be installed 1 – 3 days after application, depending upon thickness of application.
ONE-COMPONENT CONCRETE REPAIR MORTARS

Ultra SkimCoat™

**PREMIUM FAST-DRYING CEMENT-BASED SKIM COATING COMPOUND**

Ultra SkimCoat is a high performance, rapid-setting, cement-based skim coating compound for the finishing and smoothing of dry concrete, approved wood underlayments, properly prepared ceramic tile and non-water soluble adhesive residues. Use for skim coating unfinished, non-level, rough-textured concrete, for filling minor voids, holes and cracks in concrete and wood underlayments, for preparing and leveling wood underlayment seam joints, for skim coating over properly prepared ceramic tile, and for skim coating well bonded, non-water soluble adhesive residues.

MAPEI Fine/Finish®

**FAST-SETTING, CEMENT-BASED SKIM COATING COMPOUND**

MAPEI Fine/Finish is designed for finishing and smoothing concrete, approved wood underlayments, properly prepared ceramic tile and cutback adhesive residue prior to the installation of a floor covering. Save time on the job with the long pot life, fast-setting formula. MAPEI Fine/Finish gives you a very smooth surface for even the most demanding sheet vinyl.

**Terratop™ Primer**

**WATER-BASED EPOXY PRIMER FOR TERRATOP TERRAZZO FLOORING SYSTEM**

Terratop Primer is a two-component, polymer-modified, solvent-free water-based epoxy primer for enhanced adhesion to non-porous substrates prior to the application of MAPEI Terratop Binder. When mixed together, Terratop Primer is peach in color for easy identification. Terratop Primer improves adhesion over smooth, non-absorbing and difficult to bond substrates such as properly prepared ceramic tile, diamond-ground concrete, cement or epoxy-based terrazzo.

**Terratop™ Binder**

**HIGH-PERFORMANCE, QUICK-SETTING, SELF-LEVELING CONCRETE TOPPING BINDER**

Terratop Binder is an HCT™ (High-hydrated Cement Technology)-based, self-leveling, self-drying topping that is specially formulated for the resurfacing and construction of horizontal surfaces. Terratop Binder is available in 4 standard NTMA colors: white, light gray, beige and black. Terratop Binder is used for fast-track resurfacing and construction of horizontal wear surfaces. The white product is designed to maximize the brilliance of architectural stains, integral coloring agents, unique additives, sealers and finishes.

Terratop Binder provides the ultimate palette for designing unique and artistic terrazzo floors for retail stores, mall corridors and entrances, showroom floors, restaurant floors, hotel lobbies, loft apartments... nearly anywhere a unique, creative terrazzo floor is desired. Terratop Terrazzo Flooring Systems are also tough enough for extreme commercial floors subject to continual vehicular and foot traffic.
Planipatch®

FAST-SETTING CEMENT PATCHING COMPOUND

Planipatch is an ultra-fast drying, self-curing 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 prior to 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, cement terrazzo and residual cutback adhesive surfaces.

Planitop® 12

VERTICAL AND OVERHEAD ONE-COMPONENT REPAIR MORTAR

Planitop 12 is a one-component, shrinkage-compensated, cementitious, thixotropic, fiber-reinforced mortar intended for the renovation of vertical and overhead concrete surfaces. Use Planitop 12 for overhead structural concrete repairs and restoration up to a thickness of 2” (50 mm). Planitop 12 can be placed in large quantities in overhead applications and is suited for pre-cast, cast-in-place, post-tensioned or pre-stressed concrete repair.

Planitop® 15

FORM AND POUR ONE-COMPONENT REPAIR MORTAR

Planitop 15 is a one-component, shrinkage-compensated, cementitious, very fluid fiber-reinforced mortar. Planitop 15 is suited for form and pour applications where high early strength and flowability are required. Planitop 15 is used as a concrete repair and restoration material that can be fluid applied into a form from thicknesses of 3/8” – 2” (9 mm – 50 mm).

Planitop® 16

FAST-SETTING, COLD CLIMATE ONE-COMPONENT REPAIR MORTAR

Planitop 16 is a magnesium phosphate concrete repair mortar with superior chemical resistance, abrasion resistance and freeze/thaw resistance. Planitop 16 is suited for all DOT horizontal concrete repairs (bridge decks, roadways, ramps, etc.) and is recommended in high impact applications such as loading docks and warehouse/manufacturing floors.

Planitop 16 will set and harden in extreme cold, which makes it an excellent choice for freeze repairs. Planitop 16 can also be used to repair control/expansion joint nosings, to repair holes and cavities in most types of concrete and masonry surfaces, and to anchor iron or steel bridge and balcony railings. Planitop 16 can be used in thicknesses of 1/2” – 3” (12 – 75 mm).

Planitop® 18

FAST-SETTING, FLOWABLE ONE-COMPONENT REPAIR MORTAR

Planitop 18 is a one-component, shrinkage-compensated, fast-setting, cementitious repair mortar that is suited for all horizontal concrete repairs, including bridge deck overlays, parking garage floor repairs and various horizontal DOT concrete repairs.

Planitop® X

FAST-SETTING VERTICAL AND OVERHEAD ONE-COMPONENT REPAIR MORTAR

Planitop X is a one-component, shrinkage-compensated, fast setting, polymer modified, high-build cementitious repair mortar that is suited for all vertical, overhead and horizontal concrete applications, including pre-cast/pre-stressed, tilt-up, post-tensioned and cast-in-place concrete. Planitop X can be used in thicknesses from featheredge to 4” (0 - 101 mm) per lift.
Planitop 21 is a pre-proportioned, two-component polymer-modified cementitious mortar. Planitop 21 is used for renovating and resurfacing concrete structures such as galleries, tunnels, bridges, overpasses, retaining walls, beams, building facades, ceilings, etc. Planitop 21 is also used for treating concrete surface blemishes and defects, filling of honeycombs, voids and cavities and for protecting concrete against pollutants and acid rain. Planitop 21 contains a high concentration of synthetic polymer, which produces a repair mortar having excellent adhesion, flexural strength, compressive strength, water impermeability, and freeze/thaw resistance. Apply up to 1/4" (6 mm) thick.

Planitop 23 is a pre-proportioned, two-component, polymer-modified thixotropic cementitious fiber-reinforced mortar. Planitop 23 is used for renovating and resurfacing concrete structures such as galleries, tunnels, bridges, overpasses, retaining walls, beams, building facades, ceilings, etc. Planitop 23 is also used for treating concrete surface blemishes and defects, filling of honeycombs, voids and cavities and for protecting concrete against pollutants and acid rain. Planitop 23 contains a high concentration of synthetic polymer and fiber, which produce a repair mortar having excellent adhesion, flexural strength, compressive strength, water impermeability and freeze/thaw resistance. Once mixed, the two components produce a mortar easy to apply on vertical, horizontal and overhead ceilings surfaces, in thicknesses of 1/8" – 2” (3 – 50 mm) per coat.

Planitop 25 is a two-component, shrinkage-compensated, cementitious flowable structural repair mortar. Planitop 25 is used for renovating and resurfacing concrete structures such as galleries, tunnels, bridges, overpasses, retaining walls, beams, building facades, ceilings, etc. Planitop 25 is also used for treating concrete surface blemishes and defects, filling of honeycombs, voids and cavities and for protecting concrete against pollutants and acid rain. Once mixed, the two components produce a mortar easy to apply on horizontal surfaces in thicknesses of 1/4” – 1” (6 – 25 mm) per coat. Planitop 25 contains a high concentration of synthetic polymer, which produces a repair and surfacing mortar that has excellent adhesion, flexural and compression strengths, water resistance and freeze/thaw resistance. Planitop 25 is flowable and pourable on slabs, allowing it to fill hard to reach spaces.

Mapecem 100 + Planicrete PM System is a pre-proportioned, shrinkage-compensated, fast-setting, cement-based mortar system that requires no curing (use protection in adverse climatic conditions [heat, wind, etc.]). Mapecem 100, with the addition of Planicrete PM, can be pumped and used for treating concrete defects, filling honeycombs, voids and cavities and for construction or repairs of new and existing concrete slabs. The Mapecem 100 + Planicrete PM System can also be used where floating or monolithic toppings are required. When properly used, Mapecem 100 has residual moisture content less than 2.5% within 24 hours. The Mapecem 100 + Planicrete PM System can be opened to traffic within 3 – 4 hours.

MIX PLANIPATCH WITH PLANIPATCH PLUS FOR ENHANCED PERFORMANCE AND ADDITIONAL USES.

When Planipatch is mixed with Planipatch Plus, the Planipatch Plus System can be used as an embossing leveling or patch over properly prepared vinyl sheet goods, vinyl composition tile, cement terrazzo and residual cutback adhesive surfaces, prior to the direct glue down installation of floor coverings. Mix diluted Planipatch Plus (1 part additive to 3 parts water) with Planipatch for use in very thin applications over very porous and dry concrete.
Planicrete PM is a one-component polymer admixture used to enhance the performance of Mapecem 100. Planicrete PM is non-re-emulsifiable according to the American Concrete Institute (ACI).

Planicrete SB is a one-component, concentrated synthetic latex polymer admixture used to enhance the performance of cementitious repair mortars, concrete mixes and toppings for the restoration of horizontal, vertical and overhead concrete, CMU and masonry surfaces. Planicrete SB is non-re-emulsifiable according to the American Concrete Institute (ACI).

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

CEMENT-BASED PRECISION GROUT

Planigrout 740 is a one-component, shrinkage-compensated cementitious precision grout consisting of selected fine aggregates and special additives. Planigrout 740 requires only the addition of water to produce consistencies varying from dry pack to fluid (without segregation) while producing high compressive and flexural strengths within a few days. Planigrout 740 is used under machine base plates where severe side thrust or impact resistance is required, and under stretcher beds, presses and other heavy machinery requiring absolute support.

CEMENT-BASED CONSTRUCTION GROUT

Planigrout 750 is a one-component, shrinkage-compensated cementitious construction grout consisting of selected fine aggregates and special additives. Planigrout 750 requires only the addition of water to produce consistencies varying from dry pack to fluid (without segregation) while producing high compressive and flexural strengths within a few days. Planigrout 750 is used for machine base plates, anchoring, grouting tilt-wall construction, grouting utility pole base plates and machinery requiring full-contact support.

EPOXY GROUT

Planigrout 780 is a three-component, non-shrinking epoxy construction grout consisting of two-component 100% solids, solvent-free epoxy resin plus selected fine aggregates. Planigrout 780 is a kit that requires only the mixing of the pre-portioned components to produce consistencies ranging from plastic (mixed with 100% of the aggregate) to fluid (mixed with 82% of the aggregate). Planigrout 780 produces high compressive and flexural strengths as well as superior chemical resistance within a few days. Planigrout 780 is suited for structural load-bearing applications, such as under machine base plates where severe side thrust or impact resistance is required, and under stretcher beds, presses and other heavy machinery requiring absolute support. Planigrout 780 has excellent resistance to oils, mild acids, sewage and other chemicals (refer to the Planigrout 780 Technical Data Sheet for specific performance characteristics).

SCREEDS AND TOPPINGS

MAPECEM®

FAST-SETTING BINDER FOR REPAIR MORTAR AND CONCRETE

Mapecem is a high-performance, shrinkage-compensated binder that is added to select aggregates and water to create a fast-curing, high-strength 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.

HIGH-BUILD, ONE-COMPONENT FAST-SETTING MORTAR

Mapecem 100 is a one-component, shrinkage-compensated, cementitious mortar intended for the renovation and topping of horizontal concrete and engineer-approved surfaces. Mapecem 100 is used for treating concrete defects, filling honeycombs, voids and cavities and for construction or repair of new and existing concrete slabs. This mortar is also used when floating or monolithic toppings are required. When properly used, Mapecem 100 has a residual moisture content of less than 2.5% within 24 hours. Mixed with water, Mapecem 100 produces a mortar that is easy to apply on horizontal surfaces in thicknesses from 3/8” to 4” (10 – 101 mm) for a bonded system, and 1-3/8” to 4” (35 – 101 mm) for a non-bonded system.

With the addition of Planicrete PM, Mapecem 100 can be pumped (see Technical Data Sheet for details). Mapecem 100 can be opened to traffic within 3 – 4 hours. No curing is required (protect application in adverse climatic conditions [heat, wind, etc.]).
Mapecem® 101

**THIN BUILD, ONE-COMPONENT FAST-SETTING MORTAR**

Mapecem® 101 is a one-component, shrinkage-compensated, polymer-modified, cementitious mortar intended for the renovation and topping of horizontal concrete surfaces. Mapecem® 101 is specifically designed for factory floor repair, loading docks, warehouse floors and other applications where severe wear and abrasion resistance is required. Use Mapecem® 101 for renovation of concrete structures such as tunnels, bridges, overpasses, industrial floors, warehouse floors, factory floors and loading docks; on new and existing concrete slabs; and for the construction and repair of monolithic toppings where fast drying is required.

When properly mixed, Mapecem® 101 has a residual moisture content of less than 2.5% within 24 hours. Mixed with water, Mapecem® 101 produces a mortar that is easy to apply on horizontal surfaces, in thicknesses of 1/4” – 2” (6 – 50 mm) maximum per placement. For filling deeper spaces, add up to 20% by weight of 5/16” to 3/8” (8 – 9 mm) washed aggregate (surface saturated dry) to Mapecem® 101.

Mapecem® 101 achieves an impressive compressive strength of 5500 psi (37.9 MPa) at 28 days.

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Mapecem® 102

**MEDIUM BUILD, ONE-COMPONENT FAST-SETTING MORTAR**

Mapecem® 102 is a one-component, shrinkage-compensated, polymer-modified, fast-setting cementitious mortar intended for the renovation and topping of horizontal concrete surfaces. Mapecem® 102 is used for renovation of horizontal concrete structures such as galleries, tunnels, bridges, overpasses, factory floors, warehouse floors and loading docks; on new and existing concrete slabs; and for the construction of floating or monolithic toppings where fast-drying is required to allow traffic within 3 – 4 hours. Mapecem® 102 achieves an impressive compressive strength of 3000 psi (20.7 MPa) in 4 hours and 5000 psi (34.5 MPa) in 24 hours.

When properly used, Mapecem® 102 has a residual moisture content of less than 2.5% within 24 hours. When mixed with water, Mapecem® 102 produces a mortar that is easy to apply on horizontal surfaces in thicknesses of 1/4” – 2” (6 – 50 mm) maximum per placement. For filling deeper spaces (up to 8” [20 cm]), add up to 20% by weight of 5/16” to 3/8” (8 – 9 mm) washed aggregate (surface saturated dry) to Mapecem® 102.

Mapecem® 102 achieves an impressive compressive strength of 6700 psi (46.2 MPa) in 28 days. When properly mixed, Mapecem® 102 Part A and Part B have a residual moisture content of less than 2.5% within 24 hours. Once mixed, the two components produce a topping mortar that is easy to apply on horizontal surfaces in thicknesses of 1/4” – 2” (6 – 50 mm) maximum per placement. For filling deeper spaces (up to 8” [20 cm]), add up to 20% by weight of 5/16” to 3/8” (8 – 9 mm) washed aggregate (surface saturated dry) to Mapecem® 102.

Mapecem® 102 is excellent for heavy duty industrial applications that include manufacturing floors, loading docks and tipping floors for smelting metals.
Planiseal™ 88

CEMENT-BASED WATERPROOFING COATING

Planiseal 88 is a one-component, polymer-modified, cementitious waterproofing coating for concrete and masonry surfaces. Planiseal 88 can be used as a waterproofing and protection coating/mortar on interior and exterior concrete and masonry surfaces such as basements, galleries, foundation walls, reservoirs, swimming pools, irrigation canals, wet rooms, retaining walls, bridges, overpasses, piers, beams, facades, ceilings and balconies. When mixed with water, Planiseal 88 withstands negative and positive hydrostatic pressures and can be applied to either negative or positive side concrete surfaces to provide waterproofing. Planiseal 88 can be applied by trowel or brush (spray applications are recommended for larger jobs) up to 1/16” (1.5 mm) thick. Mix with Planicrete AC to obtain a coating/mortar having superior adhesion, cohesion and waterproofing characteristics.

Planiseal™ MRB

MOISTURE REDUCTION BARRIER COATING

Moisture Reduction Barrier Coating Planiseal MRB is a two-component, solvent-free epoxy coating specially formulated to reduce the moisture vapor transmission of a concrete substrate by a minimum of 75%. Planiseal MRB is designed to be applied to properly prepared concrete substrate with a Moisture Vapor Transmission Rate of up to 12 lbs./1,000 sq. ft. (5.44 kg per m2) per 24 hours and lower it to an acceptable rate below 3 lbs./1,000 sq. ft. (5.44 kg per m2) per 24 hours. Planiseal MRB is applied in one easy application to provide a void-free uniform protective barrier that is compatible with MAPEI’s Premium Tile & Stone setting materials, the Planitouch-Plus System and Ultraprime W primer for self-leveling systems.

Planiseal™ Plug

ULTRA-QUICK SETTING WATER STOP AND ANCHORING MORTAR

Planiseal Plug is a quick-setting mortar specially designed for stopping leaks, repairing concrete and anchoring. Planiseal Plug is used for repairing horizontal and vertical surfaces in interior or exterior concrete applications, such as:

- Repairing substrates, floors, walls, sidewalks, pipes, pre-cast and concrete components
- Anchoring door and window frames and any other component that is required to be mechanically fastened to concrete substrates
- Quick patching of any type of conduits in concrete substrates (sewers, wastewater treatment plants, etc.)
- Patching and sealing small water leaks in concrete structures very quickly.

When mixed with water, Planiseal Plug ensures high compression and flexural strengths in just three hours. Planiseal Plug is chloride-free and is intended for vertical and horizontal surfaces. When hardened, Planiseal Plug is highly resistant to water and freeze/thaw cycles.

Mapelastic™

FLEXIBLE CEMENT-BASED WATERPROOFING AND CRACK ISOLATION MEMBRANE

Mapelastic is the next generation in liquid applied membranes. It is a trowelable, sprayable and highly flexible fiber-modified Portland cement-based membrane. Mapelastic has excellent compatibility with cement-based bonding materials. In addition, it has outstanding performance in aquatic centers, spas, steam showers & building facades that are subject to freeze/thaw, immersion and temperature expansion. Can accommodate minor substrate movement and can also be used as a crack isolation membrane. This membrane is suited for both commercial and residential use. Mapelastic is IAPMO-approved for use as a shower pan liner.

Mapesimal™ HPG

FLEXIBLE WATERPROOFING AND CRACK ISOLATION MEMBRANE

Mapesimal HPG is a next generation, ready-to-use liquid applied membrane suited for concrete, masonry, cement-backer-units (CBU) and engineer-approved exterior grade plywood. It is designed for both commercial and residential use. It can be applied to interior horizontal and vertical surfaces using a trowel, roller, brush or squeegee and highly flexible acrylic-based membrane. Mapesimal HPG has excellent compatibility with cement-based bonding materials. It can accommodate minor in-plane substrate movement and can also be used as a crack isolation membrane (when used with MAP® Fiberglass Mesh). Mapesimal HPG meets ANSI 118.10 for use as a shower pan liner.
**Mapelath™**

Mapelath is a lightweight, synthetic lath used in the preparation of wood substrates. Mapelath replaces traditional underlayments that are heavier, thicker and more labor-intensive to install. Mapelath is non-corroding and alkali resistant. Mapelath is a thin, self-gauging underlayment system that will minimize the overall finished height of the floor. Mapelath is stapled to the substrate using either a hammer tacker or a pneumatic stapler (recommended), and then tiled upon with the Ultracontact™ series of mortars.

**Planicure™ 65**

Planicure 65 is a water-borne, resin-based liquid curing compound containing a suspended white pigment that helps ensure maximum strength during the curing of concrete. When applied at the recommended rate, Planicure 65 meets ASTM C 309 and AASHTO M 148 specifications. Planicure 65 should be sprayed on concrete surfaces after the completion of the finishing process.

**Planicure™ 60**

Planicure 60 is a water-borne, resin-based liquid curing compound containing a suspended white pigment that helps ensure maximum strength during the curing of concrete. When applied at the recommended rate, Planicure 60 meets ASTM C 309 specifications. Planicure 60 should be sprayed on concrete surfaces after the completion of the finishing process.

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**MAPEI Self-Leveling Tool Kit™**

**ACCESSORIES FOR SELF-LEVELING UNDERLAYMENTS AND TOPPINGS**

- **Mixing Drum**
  - Mix up to two 50 lb (22.7 kg) bags of a self-leveling series product.
- **Measuring Pail – 5 US qt (4.73 L)**
  - Use to measure the exact amount of water needed for Novoplan® 2, or Ultratop™ products.
- **Measuring Pail – 6 US qt (5.68 L)**
  - Use to measure the exact amount of water needed for Ultraplant® M20 or Ultraplant® 1
- **Mixing Paddle**
- **Straight Edge with threaded Handle Adapter**
- and one set each of 1/8”, 1/4”, 3/8” and 1/2” (3, 6, 9 and 12 mm) cam gears
- **Smoother with threaded Handle Adapter**
- **Spiked Shoes**