



SYSTEM SOLUTIONS GUIDE

# HOSPITALITY





# CONTENTS

<b>INTRO</b> .....	02
<b>EXTERIOR</b>	
Below-Grade Waterproofing .....	06
Below-Grade Waterproofing .....	07
Exterior Veneer .....	08
Balcony Floor .....	09
Hotel Facade .....	10
Valet/Transportation Area .....	11
Parking Deck .....	12
Roof Deck .....	13
<b>INTERIOR</b>	
Lobby .....	14
Large Gauged Porcelain Tile Panels/Slabs, Tile over Tile, Interior Walls/Floors .....	15
Hotel Restaurant Area .....	16
Hotel Coffee Shop .....	17
Hotel Kitchen/Restaurant Area .....	18
Elevator Cab .....	19
Hallway/Lobby Area .....	20
Guest Room Floor .....	21
Guest Room .....	22
Guest Room .....	23
Bathroom Tub Renovation .....	24
<b>SUSTAINABILITY AND HOSPITALITY</b> .....	25
<b>INDEX</b> .....	26

## Hospitality Settings

Hospitality settings are where design professionals can really show their talent. Bold color choices, mixes of traditional and contemporary elements, and multiple finishes can turn a functional space into a showplace.

MAPEI's installation products can help turn your vision into a reality.

At the same time, hospitality settings can cause challenges for architects who are tasked with making it all work together. MAPEI's installation products can help turn your vision into a reality, and our experience with complicated installations and out-of-the-box challenges can be the difference between a job well done and a recurring headache.

MAPEI is with you at every stage of construction – from waterproofing the structure below grade, to providing concrete additives for fast-track construction, to offering levelers, adhesives and grouts. The earlier you involve us in the process, the more seamlessly our solutions can work together to support your design. This handy design guide can point you in the right direction. If you get stuck, we're just a phone call or an email away.



In addition to MAPEI's extensive selection of installation products, we offer finishes for demanding applications. Toppings, coatings and wear surfaces round out our extensive portfolio. This gives you peace of mind in utilizing one vendor from start to finish, with proven system solutions to real-world challenges.



## Full-Breadth Product Lines

MAPEI products offer complete installation system solutions to address all your flooring, tile and concrete restoration needs from a single source.

- PRODUCTS FOR **CERAMIC AND STONE MATERIALS**
- PRODUCTS FOR **UNDERGROUND CONSTRUCTION**
- PRODUCTS FOR **RESILIENT AND TEXTILE MATERIALS**
- ADMIXTURES** FOR **CONCRETE**
- PRODUCTS FOR **WOOD FLOORING**
- BELOW-GRADE WATERPROOFING** SYSTEMS
- PRODUCTS FOR **BUILDING**
- CEMENT ADDITIVES** DIVISION
- PRODUCTS FOR **STRUCTURAL STRENGTHENING**
- PRODUCTS FOR THE **MARINE INDUSTRY**



## Innovative Research & Development

Worldwide, more than 12% of MAPEI employees are involved in the development of new technologies and product innovations, keeping our customers at the forefront of the flooring industry. The company has taken the additional initiative of focusing its R&D efforts on environmentally sustainable solutions.

To remain on the cutting edge of innovation, MAPEI reinvests 5% of its annual revenues into researching and developing new products and technologies. This corporate priority has produced such innovations as:

- High-Hydrated Cement Technology (HCT™), which offers high early strength, excellent workability, ultra fast curing, unmatched long-term durability to products and efflorescence-free curing.
- Easy Glide Technology™, which offers extreme ease of application, yielding a buttery consistency that reduces fatigue during troweling.

- *Ultrabond ECO*® product formulations beginning in the 1980s with extremely low emissions of volatile organic compounds (VOCs) for improved indoor air quality.
- FastTrack Ready™ products, which reduce the required steps of an installation and/or perform more quickly than current technology.

## Quality Control and Efficient Manufacturing

MAPEI is an ISO 9001-2000 certified company. Our products are produced according to exacting standards, strictly adhering to process and procedural guidelines with documented compliance. This rigid production format is vigilantly followed to ensure that every product is produced uniformly from batch to batch.

### **Powerful, efficient and sustainable Manufacturing.**

Cutting-edge production technology is used in MAPEI's production facilities, where the intense rhythm of the entire chain is monitored by continual quality control, from raw materials to final packaging.

MAPEI's production statistics are impressive: 73 production facilities in 33 countries on five continents. Along with the 25,000 tons of finished products that are manufactured at our production facilities every day (that's 4.5 million tons per year), we receive just as many tons of raw materials to keep our sites supplied around the world.

MAPEI's production efforts are reflected through optimization of logistics costs, close proximity to our customers, and a guarantee of maximum efficiency of production processes while respecting the environment.



## Warranty Program

To bring it all together, MAPEI complements the industry's best products with simple, easy-to-understand requirements for comprehensive warranties — allowing you to build systems within desired warranty timeframes.

MAPEI's advanced systems give you the built-in confidence provided by superior in-field technical support and the Best-Backed<sup>SM</sup> warranties in the business.



## Professional Support

### Knowledgeable Sales Force

MAPEI offers the largest, most highly trained sales force within the industry to serve your needs for product application/installation recommendations. Its sales representatives are focused on supporting you with product knowledge, product demonstrations, product information, marketing support materials and other relevant tools to help you generate business.

### Technical Expertise

An in-house Technical Services Product Support Team responds to customers' telephone inquiries with answers to installation challenges in real time. In addition, Regional Technical Services Representatives provide field support, including jobsite visits, product training and advice on product selection.

Call us at 1-800-992-6273 (flooring, U.S. and Puerto Rico), 1-888-365-0614 (non-flooring, U.S. and Puerto Rico) or 1-800-361-9309 (Canada).

### Customer Service Plus

MAPEI's standards for customer service are best-in-class.

Our leadership includes such service innovations as:

- Customer-friendly, efficient processes
- One-call resolution
- Employee commitment to effective customer dialog

Call us at 1-800-42-MAPEI  
(1-800-426-2734).



# EXTERIOR

## BELOW-GRADE WATERPROOFING

POSITIVE-SIDE CONSTRUCTION

Second only to fire, water has the most deleterious impact on a structure and its contents. As such, MAPEI offers positive-side waterproofing systems that are installed on the outboard side of the structure to keep water out of the building. The *Mapethene* system, based on a self-adhered waterproofing membrane, is a simple and effective means of accomplishing this goal.

**Issues:** Prevent water intrusion into buildings following the construction of their foundation walls

**Solutions:** Positive-side waterproofing, through the *Mapethene* waterproofing system, to prevent water intrusion

- 1 Concrete
- 2 *Mapebond 700*, *Mapebond 710* or *Mapebond 720*
- 3 *Mapeflex P1*
- 4 *Mapethene HT* or *Mapethene LT*
- 5 *Mapedrain 25*
- 6 *Mapedrain TD Drainage Composite*
- 7 *Mapedrain TD* end outlet fitting



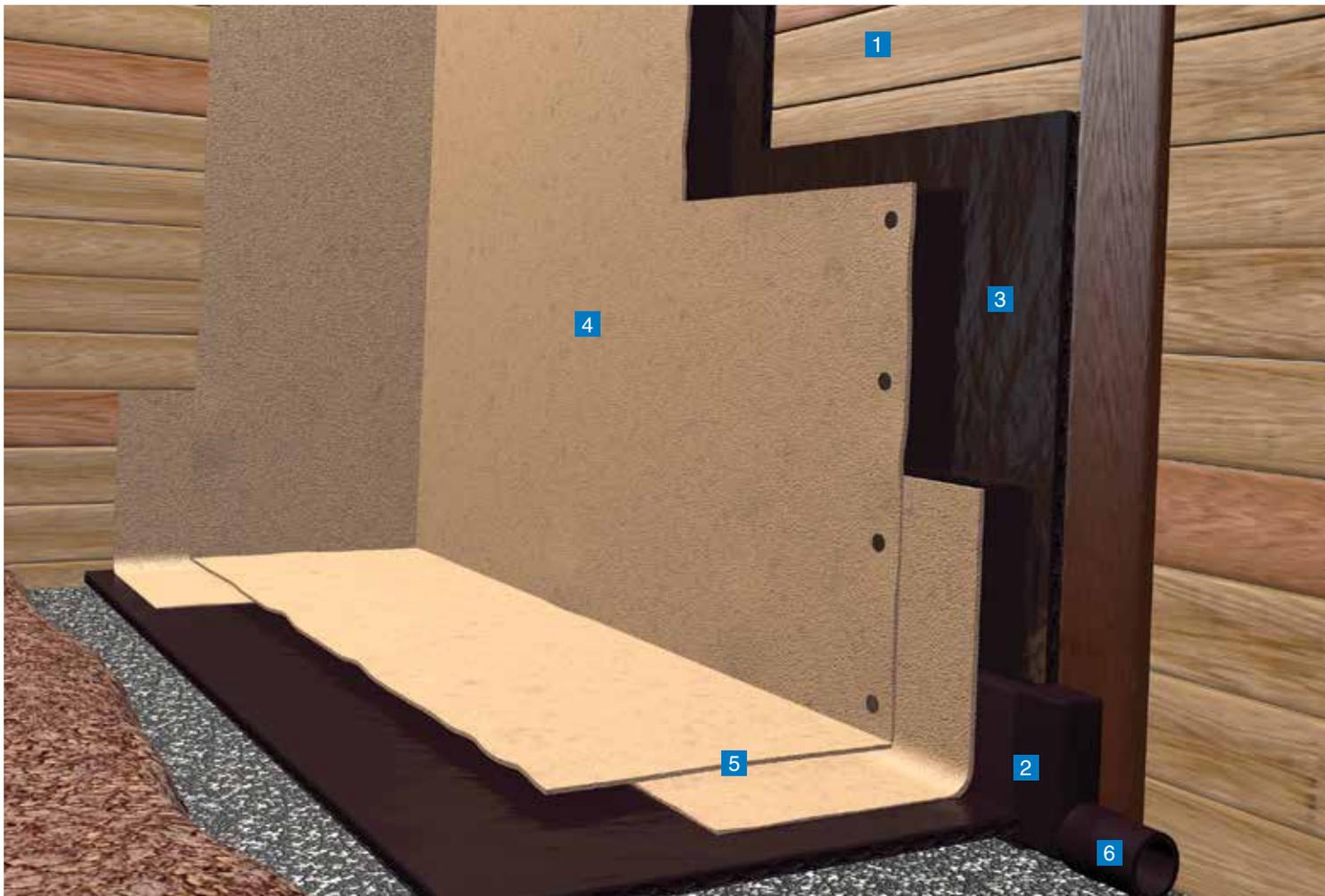
- 1 Wood lagging
- 2 *Mapedrain TD Drainage Composite*
- 3 *Mapedrain 25*
- 4 *Mapeproof HW* or *Mapeproof SW*
- 5 *Mapeproof Granules*
- 6 *Mapedrain TD* end outlet fitting

Blindside waterproofing is often utilized when building in urban or congested areas where retention walls must be utilized due to property line constraints, adjacent structures or roadways.

Blindside waterproofing refers to the method of installing a waterproofing system before the foundation is poured. MAPEI's *Mapeproof* sodium bentonite clay system is ideal for these complex applications.

**Issues:** Prevent water intrusion into buildings that have limited access and ability to excavate during construction, and are adjacent to an existing structure or property line

**Solutions:** Blindside waterproofing, through the *Mapeproof* waterproofing system, to prevent water intrusion



# EXTERIOR

## EXTERIOR VENEER

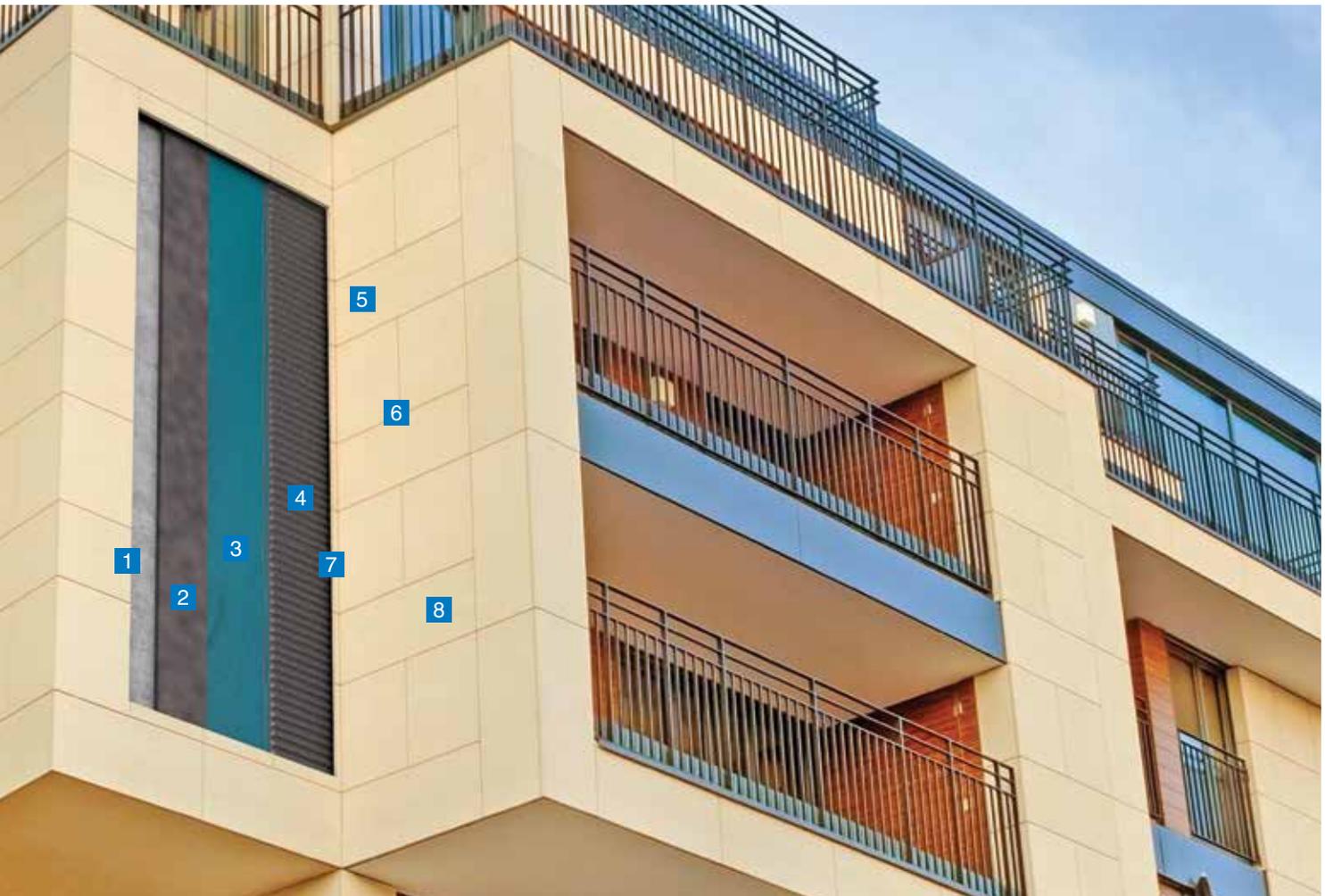
CERAMIC OR STONE TILE

Tile or stone on the outside of a building can give a classic feel or make the building a contemporary masterpiece. It also can provide energy savings, heat reflectance or absorption, as well as ease of maintenance. Properly installed tile and stone veneers can potentially last for the life of the building.

**Issues:** Rain, freeze/thaw shrinkage and expansion

**Solutions:** Installation materials that do not contribute to efflorescence, highly deformable freeze/thaw-resistant setting materials, soft joints

- 1 Concrete
- 2 **Modified Mortar Bed** with slurry bond coat
- 3 **Mapelastic AquaDefense**
- 4 **Granirapid** System
- 5 Ceramic or stone tile
- 6 **Ultracolor Plus FA**
- 7 **Mapesil T**
- 8 **UltraCare** Penetrating Plus SB Stone & Porcelain Tile Sealer; Penetrating SB Stone, Tile & Grout Sealer; or Penetrating Plus Stone, Tile & Grout Sealer



# EXTERIOR

## BALCONY FLOOR

CERAMIC OR  
STONE TILE

- 1 Concrete
- 2 **Mapebond 700, Mapebond 710** or **Mapebond 720**
- 3 **Mapethene HT** or **Mapethene LT**
- 4 **Mapedrain 30** or **Mapedrain 50**
- 5 **Modified Mortar Bed**
- 6 **Mapelastix 315** or **Mapelastix AquaDefense**
- 7 **Kerabond T / Keralastix** System, **Kerabond/Keralastix** System or **Granirapid** System
- 8 Ceramic or stone tile
- 9 **Ultracolor Plus FA** or **MAPEI Flexcolor CQ**
- 10 **UltraCare** Penetrating Plus SB Stone & Porcelain Tile Sealer; Penetrating SB Stone, Tile & Grout Sealer; or Penetrating Plus Stone, Tile & Grout Sealer

Balconies can be quite challenging environments, for tile or stone installations over occupied or unoccupied space. It is key to have a primary waterproofing system rated for the application. MAPEI offers a system solution from the substrate up with our *Mapethene* waterproofing system topped with freeze/thaw-stable mortars and high-performance, efflorescence-resistant grouts. Best of all, this system may qualify for MAPEI's Best-Backed<sup>SM</sup> System Warranty, giving architects peace of mind when specifying MAPEI products.

**Issues:** Weather, salts, efflorescence

**Solutions:** Freeze/thaw- and submersion-resistant mortars, efflorescence-resistant grouts and the *Mapethene* waterproofing system



# EX TER IOR

## HOTEL FACADE

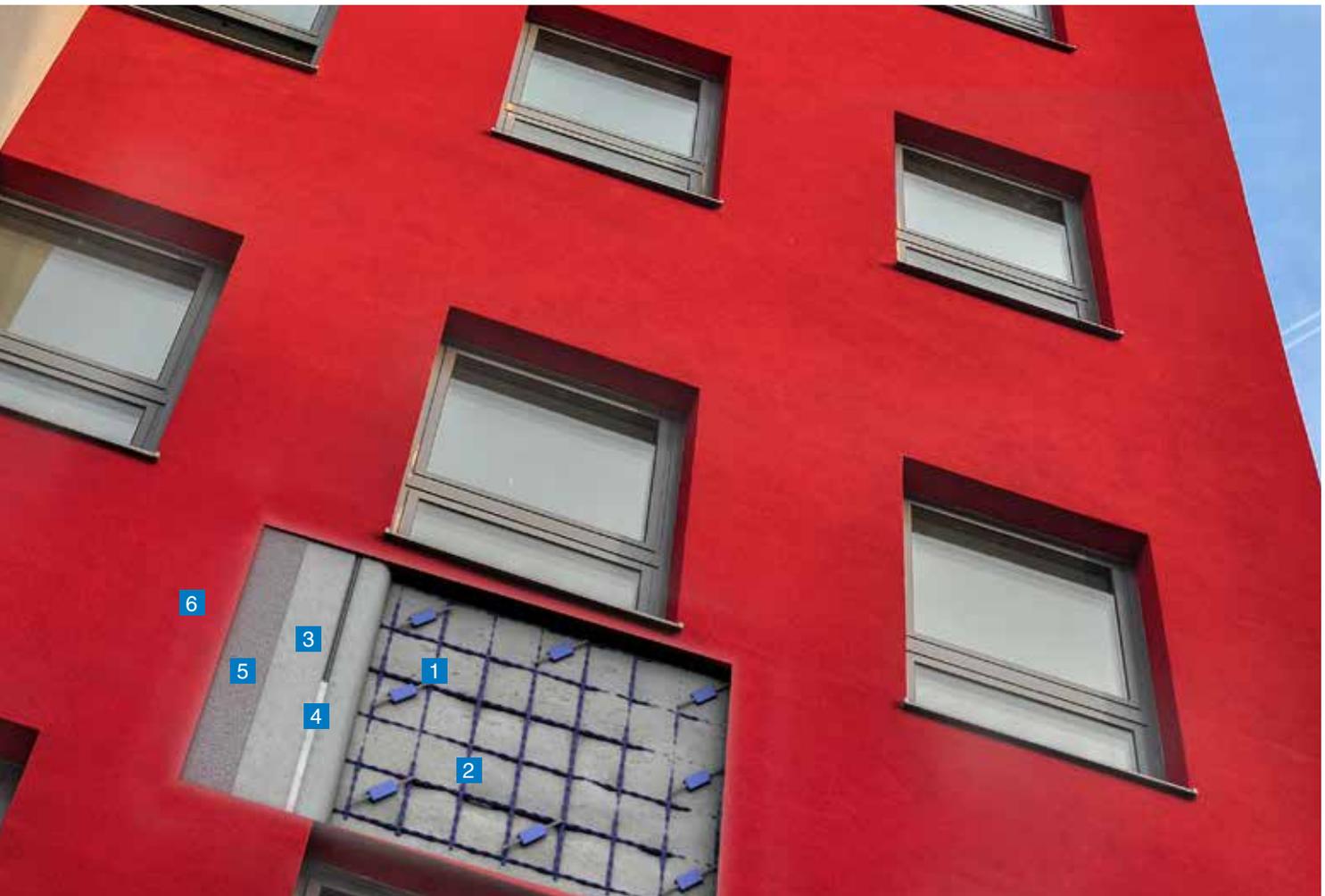
PROTECTIVE  
COATING

Exterior facades face many challenges. They are subjected to intense sunlight, temperature variations, carbon dioxide, water, salt and wind. MAPEI's *Elastocolor* products are designed to address these conditions in an unlimited array of colors.

**Issues:** Need for an attractive, durable exterior coating that seals out water/salt and is easy to clean

**Solutions:** *Elastocolor Primer WB* and *Elastocolor Coat* are formulated as a system to waterproof, seal, protect and beautify.

- 1 **Mapeshield I**
- 2 **Mapefer 1K**
- 3 **Planitop XS** or **Planitop 12 SR**
- 4 **Mapeflex P1**
- 5 **Elastocolor Primer WB**
- 6 **Elastocolor Coat**



# EXTERIOR

## VALET/ TRANSPORTATION AREA

CERAMIC OR  
STONE TILE

- 1 Concrete
- 2 **Modified Mortar Bed** with slurry bond coat
- 3 **Mapelastic AquaDefense** or **Mapelastic 315**
- 4 **Granirapid** System
- 5 Ceramic or stone tile
- 6 **Ultracolor Plus FA**
- 7 **UltraCare** Penetrating Plus Stone, Tile & Grout Sealer; or Penetrating SB Stone, Tile & Grout Sealer

Valet and transportation areas are every customer's first impression of the business and some of the most challenging to tile. Vehicular traffic means heavy rolling loads and turning wheels. Ice removal in cold climates adds the challenge of salts, caustics and other chemicals. Make sure that your products are up to the challenge by using MAPEI's system of problem-solvers for exterior applications.

**Issues:** Vehicular traffic, weather, salts, efflorescence

**Solutions:** Freeze/thaw-stable mortars, durable grouts and installation materials that do not contribute to efflorescence



# EXTERIOR

## PARKING DECK

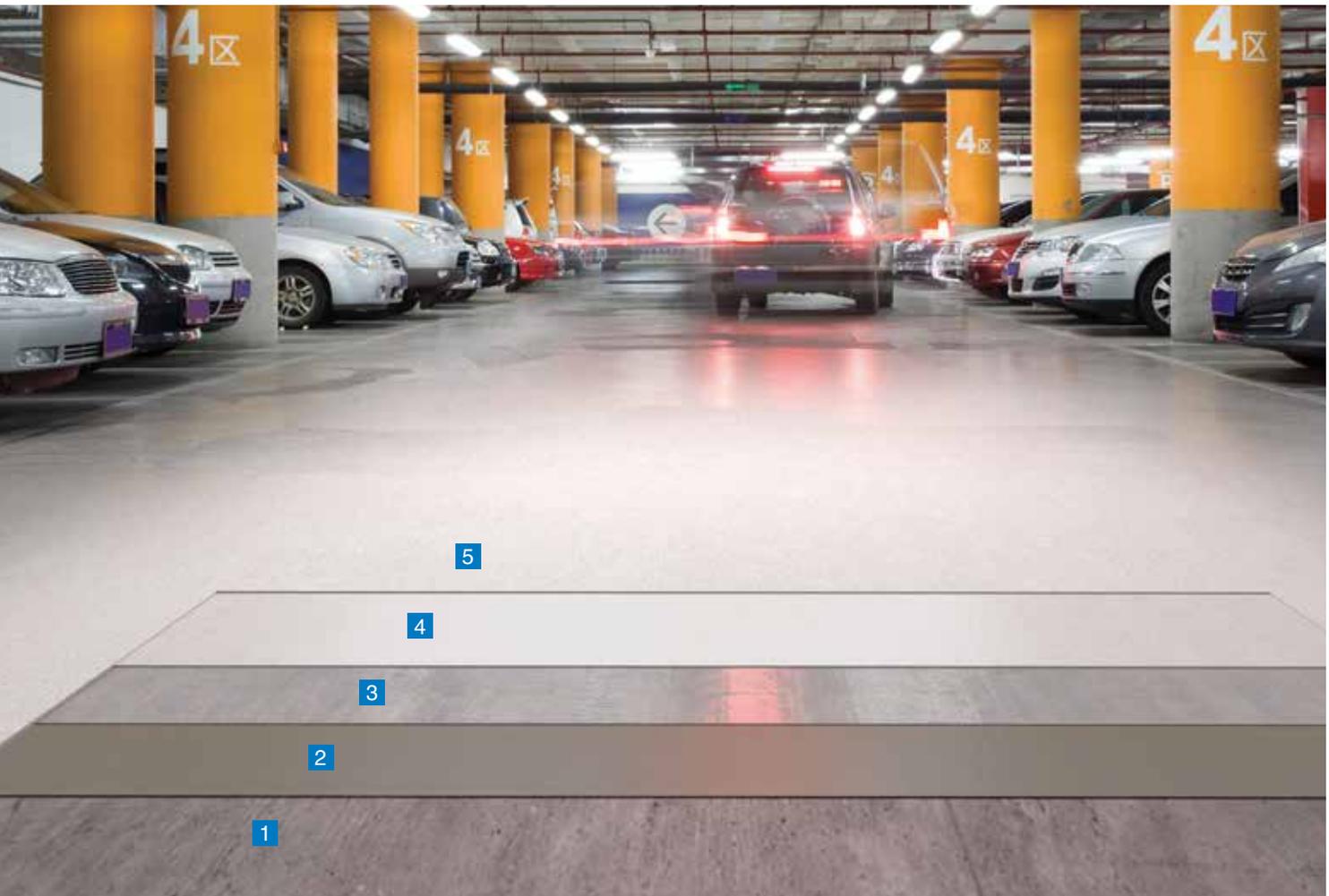
SYSTEM FOR  
HEAVY-DUTY  
VEHICULAR TRAFFIC

Parking decks and other exterior, pedestrian and vehicular traffic areas require rugged products developed specifically for the unique conditions that they experience. MAPEI's *Mapefloor* family of products is engineered for parking decks and the demands of their installations.

**Issues:** Rolling-wheel traffic and low-speed turns

**Solution:** A highly bonded system of products protecting the substrate and resisting the force of rolling loads and turns

- 1 Existing concrete
- 2 **Primer SN**
- 3 **Mapefloor PU 400 LV**
- 4 **Mapefloor Finish 450**  
with sand broadcast (back-rolled)
- 5 **Mapefloor Finish 450**  
with sand broadcast (back-rolled)



# EXTERIOR

## ROOF DECK

CERAMIC OR  
STONE TILE

- 1 **Mapebond 700, Mapebond 710** or **Mapebond 720**
- 2 **Mapethene HT** or **Mapethene LT**
- 3 **Mapedrain 30** or **Mapedrain 50**
- 4 **Modified Mortar Bed**
- 5 **Mapelastc 315** or **Mapelastc AquaDefense**
- 6 **Kerabond T / Keralastic** System, **Kerabond/Keralastic** System or **Granirapid** System
- 7 Ceramic or stone tile
- 8 **Ultracolor Plus FA** or **MAPEI Flexcolor CQ**
- 9 **UltraCare** Penetrating Plus SB Stone & Porcelain Tile Sealer; Penetrating SB Stone, Tile & Grout Sealer; or Penetrating Plus Stone, Tile & Grout Sealer

Roof decks can be quite challenging environments, which make them perfect for tile or stone installations. They are buffeted by weather and likely have to be both a walking surface and the roof over occupied space below. It is key to have a primary waterproofing system rated for the application. MAPEI offers a system solution from the substrate up with our *Mapethene* waterproofing system topped with freeze/thaw-stable mortars and high-performance, efflorescence-resistant grouts. Best of all, this system may qualify for MAPEI's Best-Backed System Warranty, giving architects peace of mind when specifying MAPEI products.

**Issues:** Weather, salts, efflorescence

**Solutions:** Freeze/thaw- and submersion-resistant mortars, efflorescence-resistant grouts and the *Mapethene* waterproofing system



# INTERIOR

## LOBBY

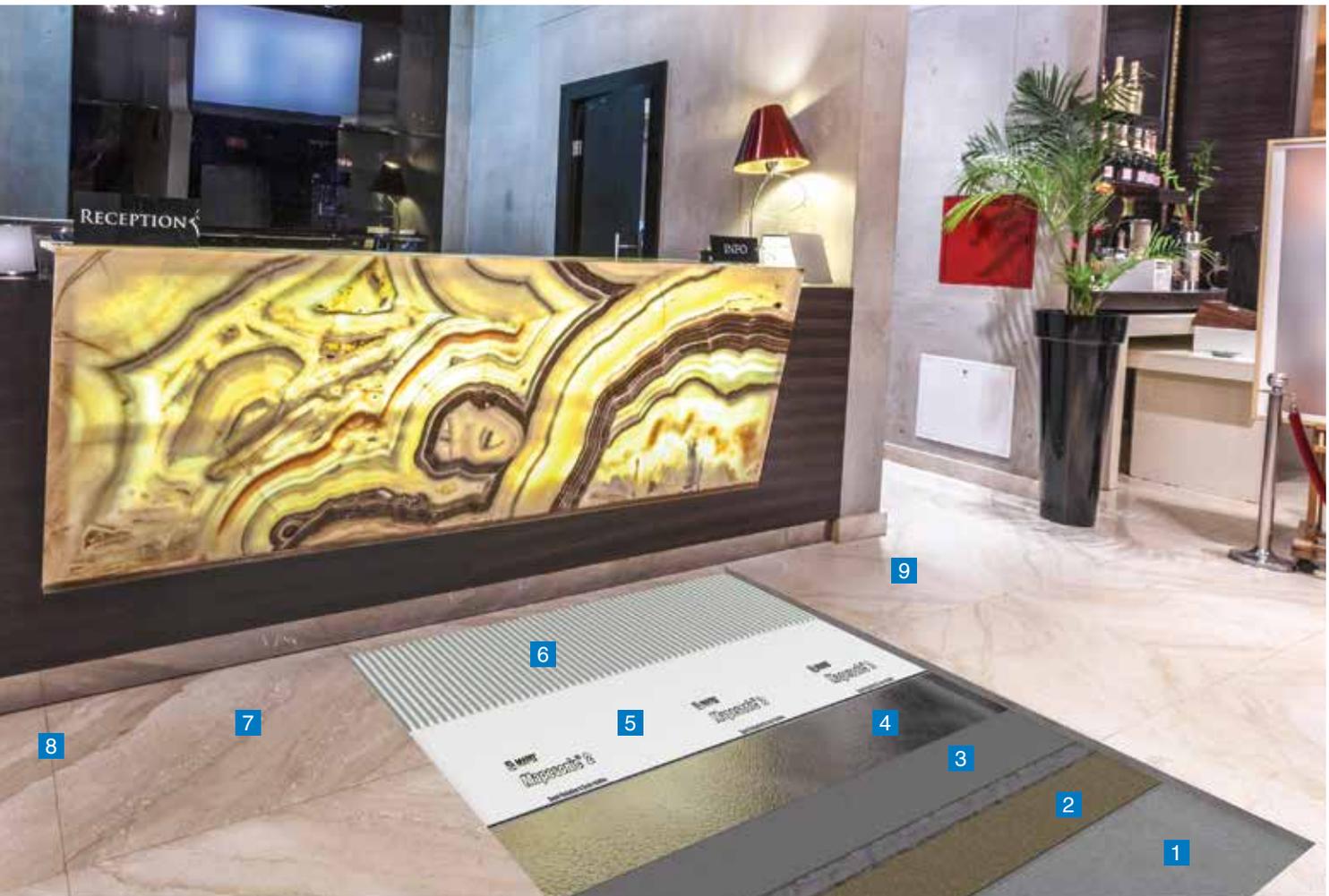
CERAMIC OR  
STONE TILE

A well-designed lobby should welcome not just the customer but also their suitcases, luggage carts and other rolling loads. Often, durable tile or stone is specified for lobbies, and the setting materials need to be just as rugged. Depending on the level of the lobby, noise control may also be a concern. Rest assured, MAPEI has products to mute the noise, handle the load and look great while doing it.

**Issues:** High traffic, pivot areas, traffic patterns

**Solutions:** Suitable tile and stone provide durable long-lasting finishes

- 1 Concrete
- 2 Cleavage membrane
- 3 **Modified Mortar Bed** – reinforced
- 4 **MAPEI SM Primer**
- 5 **Mapesonic 2**
- 6 **Ultraflex LFT**
- 7 Ceramic tile or stone
- 8 **MAPEI Flexcolor CQ** or **Ultracolor Plus FA**
- 9 **UltraCare** Penetrating Plus SB Stone & Porcelain Tile Sealer; Penetrating SB Stone, Tile & Grout Sealer; or Penetrating Plus Stone, Tile & Grout Sealer



# INTERIOR

LARGE GAUGED  
PORCELAIN TILE  
PANELS/SLABS,  
TILE OVER TILE,  
INTERIOR WALLS/  
FLOORS

TILE OR STONE

- 1 Existing tile
- 2 **ECO Prim Grip**
- 3 **MAPEI Ultralite S2**
- 4 Gauged porcelain tile panels/slabs
- 5 **Ultracolor Plus FA**
- 6 **UltraCare** Penetrating Plus SB Stone & Porcelain Tile Sealer; Penetrating SB Stone, Tile & Grout Sealer; or Penetrating Plus Stone, Tile & Grout Sealer

In this large emerging segment of the tile industry, very thin tiles often are used to cover existing tiles. This solution makes renovation quick and cost-effective, but it brings up the challenges of fully supporting the tiles with mortar. MAPEI is the worldwide leader in innovative solutions for gauged porcelain tile and gauged porcelain tile panels/slabs.

**Issues:** Dated tile or stone, cost of removal, mortars designed for full coverage

**Solutions:** Tile over tile, low cost



# INTERIOR

## HOTEL RESTAURANT AREA

STONE OR CERAMIC TILE

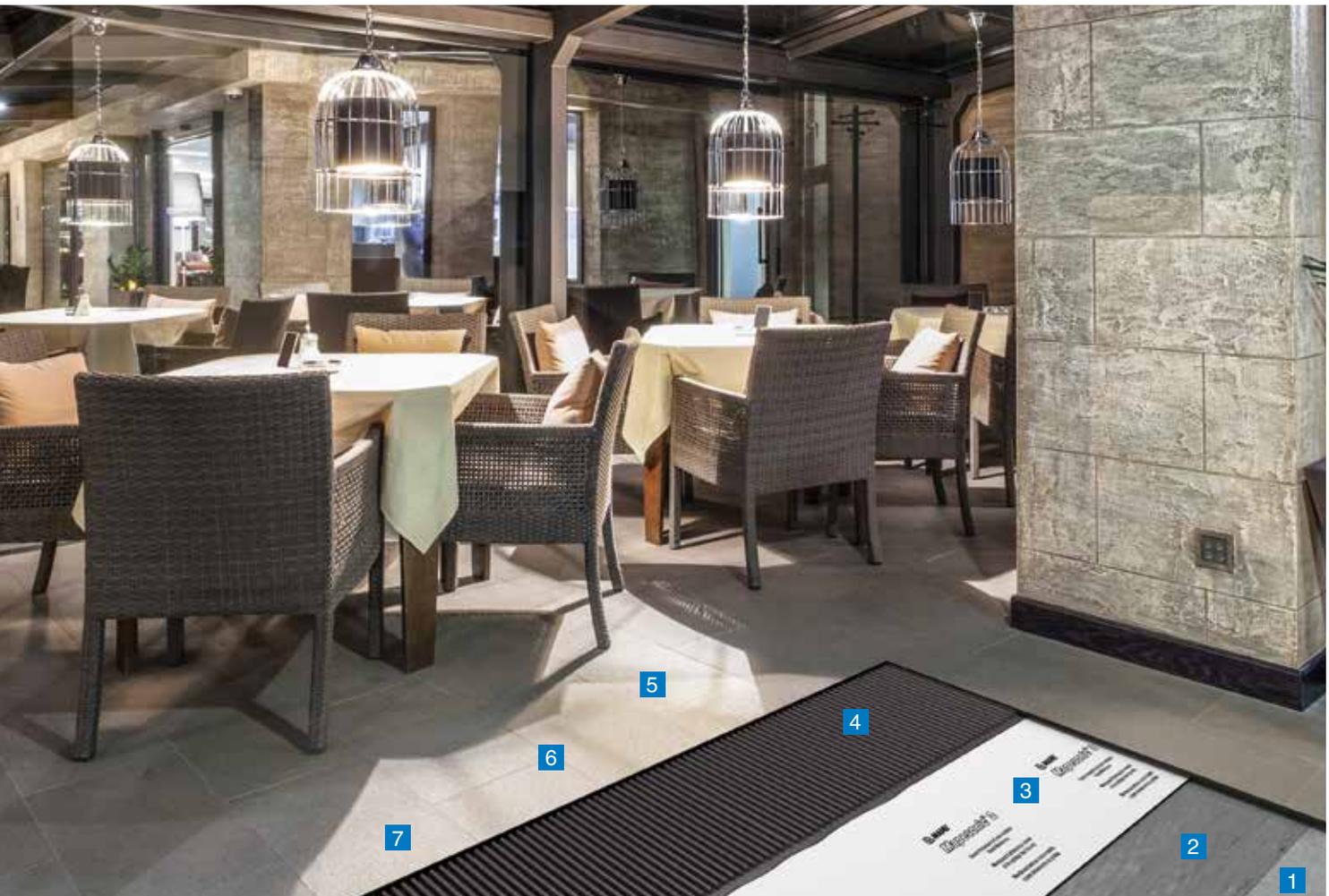
Front-of-house installations require a rugged installation to hold up to high foot traffic and spills while coordinating with the design concept for the space. MAPEI makes grout in a wide variety of colors to fit with any decor while being easy to clean and offering rugged durability. With the correct products underneath the tile, the installation will last as long as you want it to last.

**Issues:** Chemicals, heat, staining, harsh cleaning

**Solutions:** High-strength grout and installation materials

- 1 Concrete
- 2 **MAPEI SM Primer**
- 3 **Mapeguard 2** or **Mapesonic 2**
- 4 **Kerabond/Keralastic** System or **Kerabond T / Keralastic** System
- 5 Porcelain or ceramic tile
- 6 **Kerapoxy CQ** or **Ultracolor Plus FA\***
- 7 **UltraCare** Penetrating Plus SB Stone & Porcelain Tile Sealer; Penetrating SB Stone, Tile & Grout Sealer; or Penetrating Plus Stone, Tile & Grout Sealer

*\* Only Ultracolor Plus FA grout needs to be sealed in this environment.*





# INTERIOR

## HOTEL KITCHEN/ RESTAURANT AREA

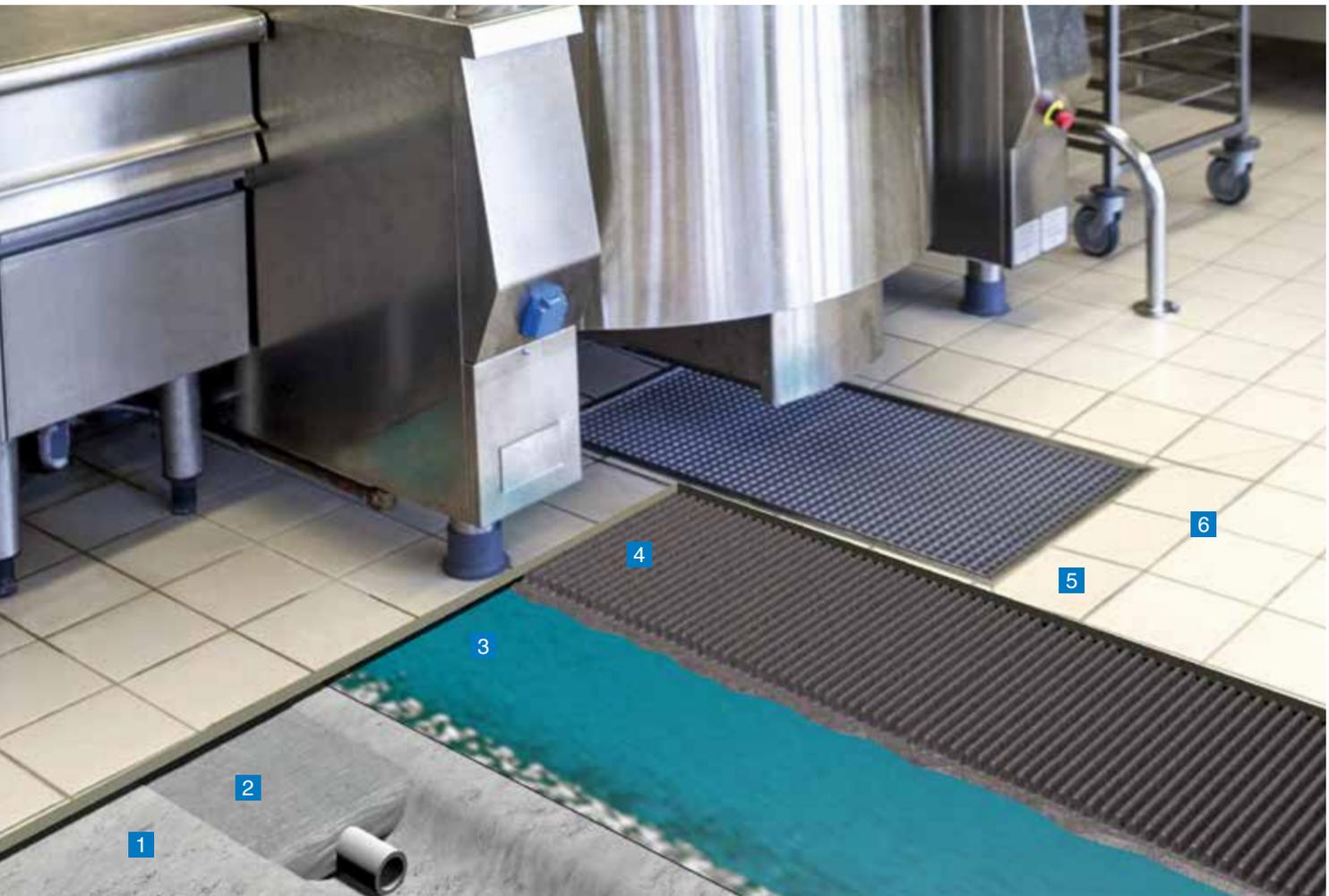
QUARRY OR  
CERAMIC TILE

While kitchen areas aren't always the most glamorous, they can be among the most challenging to install and maintain. High temperatures, the potential for spills, hygienic concerns and harsh cleaners are no match for MAPEI's problem-solvers for commercial kitchens.

**Issues:** Chemicals, heat, staining, harsh cleaning

**Solutions:** Durable, chemical- and stain-resistant grout combined with rugged mortars

- 1 Concrete
- 2 **Topcem Premix**
- 3 **Mapelastic AquaDefense** or **Mapelastic 315**
- 4 **Kerabond/Keralastic** System or **Kerapoxy 410**
- 5 Quarry or ceramic tile
- 6 **Kerapoxy IEG CQ**



# INTERIOR

## ELEVATOR CAB

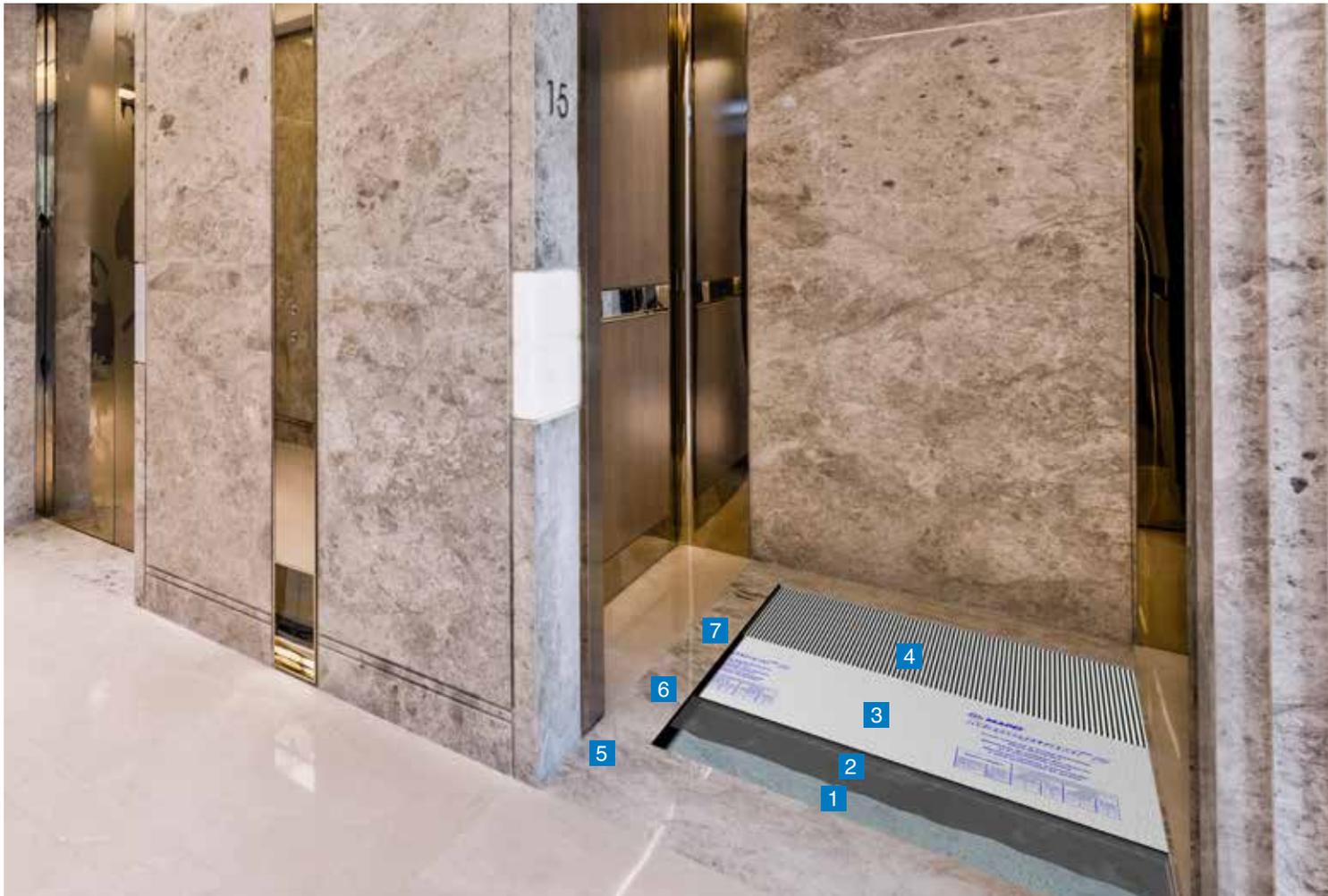
CERAMIC OR  
STONE TILE

- 1 Plywood or cement board (if needed) screwed to metal deck
- 2 **MAPEI SM Primer**
- 3 **Mapeguard 2**
- 4 **Ultraflex LFT**
- 5 Ceramic or stone tile
- 6 **MAPEI Flexcolor CQ**
- 7 **UltraCare Penetrating Plus SB Stone & Porcelain Tile Sealer**

Elevator cabs combine the challenges of high-traffic with the unique issues of covering a metal floor prone to movement. Add in occasional exposure to water from dripping swimsuits or wet mopping, and an elevator cab solution must tick off a number of boxes. Fortunately, MAPEI can turn an elevator cab into an opportunity to create a beautiful, functional space.

**Issues:** Flexibility, pivot areas, high traffic

**Solutions:** MAPEI advises designers in selecting the right products for high-traffic, specialty areas through our Technical Services Product Support team



# INTERIOR

## HALLWAY/LOBBY AREA

### DOUBLE-STICK CARPET

Double-stick carpet is a mainstay for areas with high foot traffic such as hallways and meeting rooms. MAPEI's products provide a level substrate and adhesives for installing pad and carpet. Depending on the adhesive, the installation can be permanent or releasable, easing the frequent remodeling cycles typical in hospitality settings.

**Issues:** High foot traffic, rolling carts, frequent updating

**Solutions:** High-quality adhesive, single-source products

- 1 Concrete
- 2 **Planiprep SC**
- 3 **Ultrabond ECO 810** (releasable), **Ultrabond ECO 220** (permanent) or **Ultrabond ECO 185**
- 4 Carpet pad
- 5 **Ultrabond ECO 220** or **Ultrabond ECO 185**
- 6 Carpet



# INTERIOR

## GUEST ROOM FLOOR

CERAMIC OR STONE TILE

- 1 Concrete
- 2 **Mapecem Quickpatch**
- 3 **Primer T**
- 4 **Ultraplan 1 Plus**
- 5 **MAPEI SM Primer**
- 6 **Mapesonic 2**
- 7 **Ultraflex LFT**
- 8 Ceramic tile or stone
- 9 **Ultracolor Plus FA**
- 10 **UltraCare** Penetrating Plus SB Stone & Porcelain Tile Sealer

Guest rooms must combine beauty, durability and utility. Tile and stone are a great choice for bathrooms and are increasingly the flooring of choice for the entire room. The trend toward great-looking wood-plank tiles can create a rich-looking, low-maintenance floor that will withstand the test of time. As an added bonus, wood-plank tiles and the products used to install them are very low in volatile organic compounds (VOCs).

**Issues:** Aesthetics, long-lasting, low VOCs

**Solutions:** Tile and stone offer a durable finish with low VOCs. Digital printing techniques produce tiles that can be indistinguishable from higher-maintenance finishes like wood. MAPEI offers system solutions for trouble-free installations based on industry-approved methods.



# INTERIOR

## GUEST ROOM

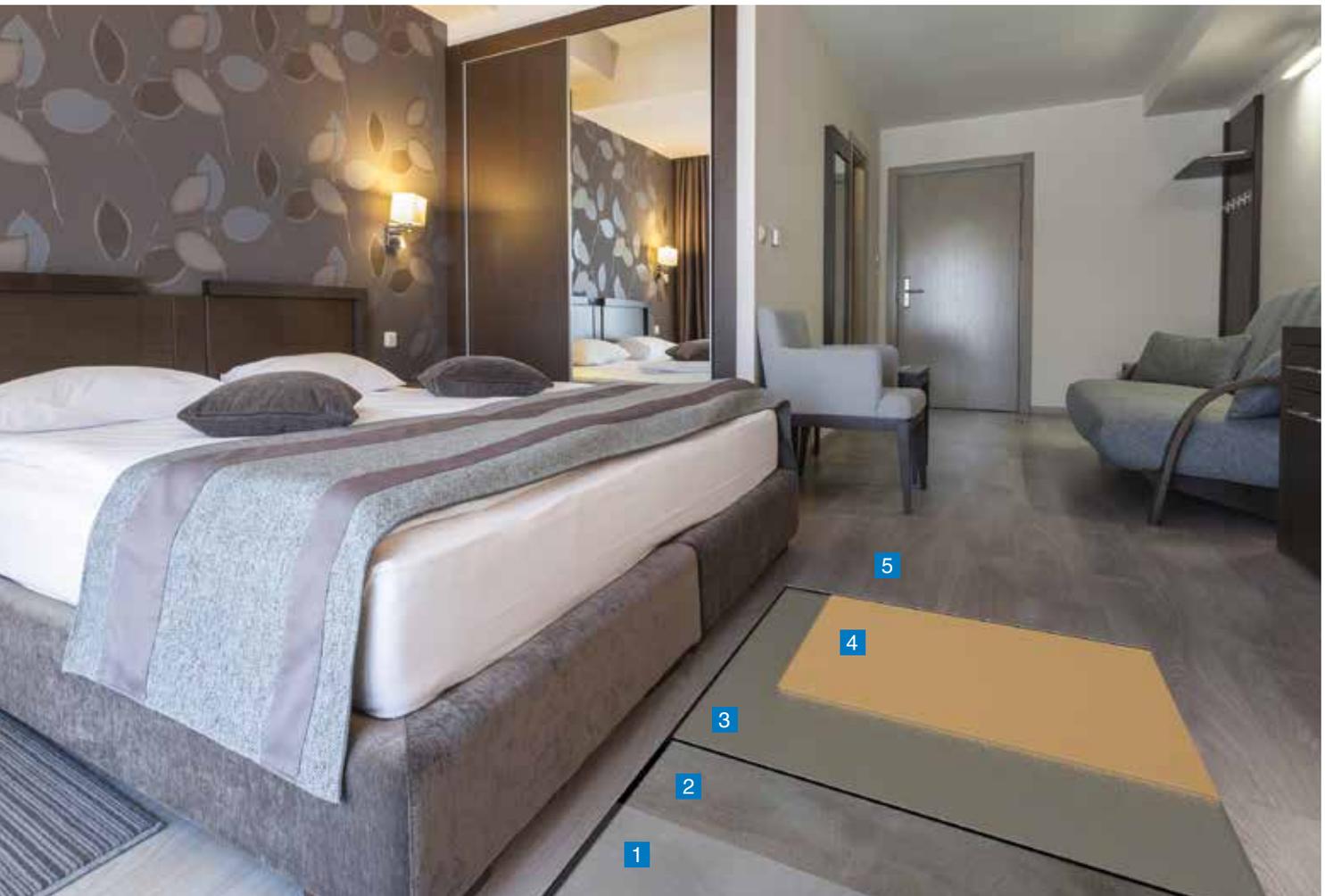
### LVT PLANK/TILE

LVT planks and tiles are increasingly used in guest rooms as low-maintenance alternatives to carpet. New products closely mimic the appearance of wood, stone and tile. As a bonus, damaged areas can be quickly and inexpensively replaced when spare tiles are available.

**Issues:** Residential traffic, furniture movement, maintenance

**Solutions:** High-quality adhesives, single-source products

- 1 Concrete
- 2 Appropriate primer
- 3 **Novoplan 2 Plus**
- 4 **Ultrabond ECO 360**
- 5 Luxury vinyl plank



# INTERIOR

## GUEST ROOM

### WOOD

- 1 Concrete
- 2 Appropriate primer
- 3 **Ultraplan Extreme 2**
- 4 **Ultrabond ECO 995**
- 5 Engineered, unfinished walnut hardwood flooring
- 6 **Ultracoat Aqua Plus**
- 7 **Ultracoat Premium Base** or **Ultracoat Toning Base**
- 8 **Ultracoat High Traffic**

Wood flooring provides a high-end appearance and luxurious feeling under foot for upscale spaces. However, it requires a flat substrate and can be sensitive to moisture from above or below. Concerns about volatile organic compounds (VOCs) can be addressed through careful product selection of the wood, adhesives and finishes. MAPEI makes products to protect wood from moisture and adhere it to the substrate, as well as low-VOC wood-flooring finishes. We also can offer solutions to cut down on the noise transmitted through the floor.

**Issues:** Foot traffic, sound transmission, potential high VOCs

**Solutions:** Sound-control adhesive, high-quality adhesive, single-source products, low-VOC products



# INTERIOR

## BATHROOM TUB RENOVATION

TILE

Retrofitting existing bathtubs into beautiful, functional showers is an accelerating hospitality trend. One of the design elements typically specified is the linear drain. The *ShowerPerfect* systems from MAPEI offer a linear drain mated with pre-formed shower modules and a choice of waterproofing products to make the job efficient and waterproof.

**Issues:** Potential high cost of renovation, relocating drain for shower

**Solutions:** Comparable low cost, no major plumbing replacement, repair products for cuts in slabs

- 1 Concrete
- 2 **Ultraflex RS**
- 3 **ShowerPerfect SM** or **LM Installation Kit**
- 4 **Mapelastic AquaDefense** with **Reinforcing Fabric** seams
- 5 **MAPEI Ultralite Mortar**
- 6 **ShowerPerfect Linear Drain Assembly Kit**
- 7 Strainer
- 8 Ceramic tile
- 9 **MAPEI Flexcolor CQ**
- 10 **Mapesil T**
- 11 **UltraCare** Penetrating Plus SB Stone & Porcelain Tile Sealer; Penetrating SB Stone, Tile & Grout Sealer; or Penetrating Plus Stone, Tile & Grout Sealer



## Sustainability and hospitality go hand-in-hand

The past few years have seen a growing demand for sustainable designs for the Hospitality industry, for the dual focus of renewing both mind and body. MAPEI's philosophy is in line with this philosophy in balancing performance and sustainability, formulating products that are solvent-free and very low in volatile organic compounds (VOCs). Our products take into account the health and well-being of not only the installer but also the guests visiting your hotel and resort.

To quickly identify MAPEI products that can contribute to sustainable programs, look for the Green Innovation logo next to the product. Contact our Technical Services' Sustainability Manager at 1-800-992-6273 for specific sustainable product certifications and documentation.

### Environmental Product Declarations

An Environmental Product Declaration (EPD) uses verifiable methods (the ISO 14025 standard) to communicate the energy, water, transportation and other environmental impacts associated with manufacturing a product based on a Life Cycle Assessment (LCA) and prepared according to established rules/requirements. MAPEI participates in "industry-average" in addition to product-specific EPDs.

### Health Product Declarations

A Health Product Declaration (HPD) is an ingredient inventory that lists all of the ingredients ("formula transparency") of a finished product and the associated health hazards with both intentional and residual ingredients.

### Manufacturers' Inventory

Manufacturers' Inventory (MI) is a publicly available inventory of all ingredients that are identified by name and Chemical Abstract Service Registration Number (CASRN) and are categorized as GreenScreen Benchmark and GreenCircle Certified.



### Cradle to Cradle

Cradle to Cradle (C2C) certifications reflect a sustainable business strategy that mimics the regenerative cycle of nature in which waste is reused. The goal of the C2C approach is to look at the entire cycle process. The end-use product is certified as basic, bronze, silver, gold or platinum level.



### Green Innovation

Products with MAPEI's "Green Innovation" logo are developed and manufactured to assist our customers in meeting the health and well-being requirements of project certification programs such as LEED, the Living Building Challenge (LBC), and the WELL Building Standard.



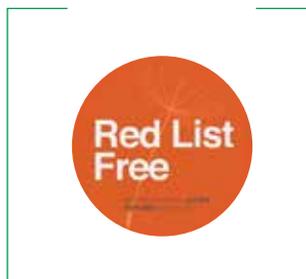
### Green Label Plus

MAPEI's carpet/wood/resilient adhesives, primers and moisture barriers with this logo are certified by the Carpet & Rug Institute's Green Label Plus program for VOC emissions (CA-DPH 01350 chamber test). Additionally, MAPEI performs in-house VOC emission chamber testing (CA-DPH 01350) for our mortars, grouts, patching compounds and self-leveling products.



### Green Squared

MAPEI products with this logo are certified by TCNA's Green Squared program (ANSI A138.1), North America's first sustainable product program developed exclusively for tiles and tile installation materials and accepted in LEED v4 credit program. SCS Global Services (SCS) is the third-party certifier for these products.



### Red List Free

When a product is in its developmental stage, all factors influencing its impact on the environment and human health are evaluated from a sustainable perspective. This evaluation includes reducing and replacing "chemicals of concern" (e.g., formaldehyde, phthalates and isocyanates) with chemicals that have a lower risk, which then grants products with Living Building Challenge's "Red List free" status.

## **ECO Prim Grip™**

**Multipurpose, Bond-Promoting Primer**  
*ECO Prim Grip* is a ready-to-use, low-VOC, synthetic resin-based primer with bond-promoting silica aggregates suspended in a dispersion. It enhances the performance and adhesion of mortars to existing ceramics and difficult-to-bond-to substrates. Plus, it improves bonding of self-leveling underlayments (SLUs) and bonds of render coats over cementitious substrates. Suitable for a wide variety of substrates, *ECO Prim Grip* combines excellent versatility with an easy, low-odor application.

## **Elastocolor® Coat**

**Water-Based, High-Build, 100%-Acrylic, Waterproof Coating**  
*Elastocolor Coat* is a water-based, high-build, 100%-acrylic coating designed to protect and decorate above-grade, exterior/interior vertical concrete, masonry, stucco, fiber-reinforced polymer (FRP) composites and EIFS systems. *Elastocolor Coat* is available in two textures (smooth and fine), in a wide range of standard colors and in an unlimited number of custom colors to increase its design versatility.

## **Elastocolor® Primer WB**

**Water-Based, 100%-Acrylic Primer for Elastocolor Coatings**  
*Elastocolor Primer WB* is a water-based, 100%-acrylic primer for use with *Elastocolor* coatings. *Elastocolor Primer WB* improves adhesion on porous, dusting and new substrates.

## **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 develops high, early mechanical strength and can be specified for the same demanding applications as *Keralastic®*. However, *Granirapid* will cure considerably faster because of its superior drying-out characteristics, which produce low residual moisture behind the tile after 24 hours, and does not contribute to efflorescence. When installed in conjunction with *Ultracolor® Plus FA* grout, *Granirapid* will allow water submersion in a revolutionary 72 hours.

## **Kerabond/Keralastic™ System**

**Premium, Flexible Tile Mortar**  
*Kerabond/Keralastic* System is a high-performance, two-part system: *Keralastic®*, a second-generation "flexible" acrylic

latex additive, is used to enhance the performance of *Kerabond®*, which is a premium-grade dry-set mortar. This system has exceptional bond strength, flexural strength, elongation and freeze/thaw durability. To ensure proper flexibility, always use a latex additive when applying a dry-set mortar over plywood or to set nonvitreous tiles.

## **Kerabond® T / Keralastic® System**

**Premium, Flexible Large-and-Heavy-Tile and Thin-Set Mortar**  
*Kerabond T / Keralastic* System is a high-performance, two-part system: *Keralastic*, a second-generation "flexible" acrylic latex additive, is used to enhance the performance of *Kerabond T*, which is a premium-grade, large-and-heavy-tile mortar (formerly known as "medium-bed mortar") and thin-set mortar. This system has exceptional bond strength, flexural strength, elongation and freeze/thaw durability.

## **Kerapoxy® 410**

**Premium, 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. It also has high compressive strength, which provides excellent impact strength in commercial facilities. *Kerapoxy 410* is designed for setting most types of tile and stone.

## **Kerapoxy® CQ**

**Premium Epoxy Grout and Mortar with Color-Coated Quartz**  
*Kerapoxy CQ* is an improved, two-component, 100%-solids epoxy grout and mortar that is nonsagging/nonslumping in joints up to 3/8" (10 mm) in width, water-cleanable and easy to apply. *Kerapoxy CQ* uses a proprietary aggregate to achieve its durable color, making it excellent for countertops, high-traffic areas, and areas needing stain and chemical resistance. Easy to maintain, *Kerapoxy CQ* will clean to the original color and contains BioBlock® technology to help protect against mold and mildew.

## **Kerapoxy® IEG CQ**

**100%-Solids, Industrial-Grade Epoxy Grout with Color-Coated Quartz**  
*Kerapoxy IEG CQ* is a water-cleanable, 100%-solids epoxy grout with high chemical and stain resistance. It is a nonshrinking, nonsagging, fast-curing,

efflorescence-free grout. Color-coated quartz dramatically improves its cleanability, so that *Kerapoxy IEG CQ* leaves very little film residue during cleanup of excess grout with a grout float. The color-coated quartz also eliminates pigment bleed, so tiles are not stained during installation.

This grout is perfectly suited for use in commercial kitchens, meat packing houses, and any commercial and institutional floors that require daily cleaning with enzymatic cleaners. *Kerapoxy IEG CQ* is ideal for applications where high-strength, mold- and mildew-resistant grout joints are required. In addition, it has high temperature resistance and can be steam-cleaned.

## **Mapebond™ 700**

**Solvent-Based Contact Adhesive**  
*Mapebond 700* is a quick-drying, solvent-based, high-tack contact adhesive. It is specifically formulated to promote maximum adhesion of MAPEI waterproofing membranes to various substrates.

## **Mapebond™ 710**

**Low-VOC, Solvent-Based Contact Adhesive**  
*Mapebond 710* is a low-VOC, quick-drying, solvent-based, high-tack contact adhesive. It is specifically formulated to promote maximum adhesion of MAPEI waterproofing membranes to various substrates.

## **Mapebond™ 720**

**Water-Based Contact Adhesive**  
*Mapebond 720* is a quick-drying, water-based, high-tack contact adhesive. It is specifically formulated to promote maximum adhesion of MAPEI waterproofing membranes to various substrates.

## **Mapecem® 202**

**Medium-Build, Two-Component, Fast-Setting Mortar**  
*Mapecem 202* is a two-component, shrinkage-compensated, polymer-modified, fast-setting cementitious mortar with a corrosion inhibitor. *Mapecem 202* contains silica fume and is intended for the repair and topping of interior/exterior horizontal concrete surfaces, where a durable, high-strength and low permeability concrete is required. *Mapecem 202* is excellent for heavy-duty industrial applications, including manufacturing and warehouse floors, loading docks and tipping floors for

smelting metals, where fast drying is required to allow pedestrian and rubber-wheel traffic within 4 hours.

### **Mapecem® Quickpatch**

#### **High-Performance Concrete Patch**

*Mapecem Quickpatch* is a high-performance, fast-setting, cementitious material used for the patching of concrete surfaces.

### **Mapecrete™ Protector FF**

#### **High-Gloss, Film-Forming Protective Coating for Concrete**

*Mapecrete Protector FF* is a film-forming, high-gloss protective coating designed to increase the stain resistance of interior concrete floors. *Mapecrete Protector FF* is ideal for polished or decorative concrete and cement terrazzo floors, and helps to protect against accidental spills of water and other staining materials (such as food products and household cleaners). *Mapecrete Protector FF* also increases the reflectivity (or gloss) of polished concrete floors.

### **Mapedrain™ 20**

#### **High-Strength, High-Flow, Prefabricated Drainage Composite**

*Mapedrain 20* is a high-strength, three-dimensional drainage composite. It consists of a nonwoven filter fabric bonded to individual dimples of a molded polypropylene core, minimizing fabric intrusion into the drainage channels caused by overburden pressure. The filter fabric allows water to pass freely into the drainage core, which provides hydrostatic relief while preventing the passage of soil or sand particles that might clog the core.

### **Mapedrain™ 25**

#### **High-Strength, High-Flow, Prefabricated Drainage Composite with Protective Film**

*Mapedrain 25* is a high-strength, three-dimensional drainage composite. It consists of a nonwoven filter fabric bonded to individual dimples of the molded polypropylene core, minimizing fabric intrusion into the drainage channels caused by overburden pressure. The filter fabric allows water to pass freely into the drainage core, which provides hydrostatic relief while preventing the passage of soil or sand particles which might clog the core. *Mapedrain 25* also has a polymeric protective film on the back side to provide additional protection to waterproofing membranes.

### **Mapedrain™ 30**

#### **High-Strength, High-Flow, Prefabricated Drainage Composite with Woven Filter Fabric**

*Mapedrain 30* is a high-strength, three-dimensional drainage composite. It consists of a woven filter fabric bonded to individual dimples of a molded polypropylene core, minimizing fabric intrusion into the drainage channels caused by overburden pressure. The filter fabric allows water to pass freely into the drainage core, which provides hydrostatic relief while preventing the passage of soil or sand particles that might clog the core. *Mapedrain 30*'s woven, monofilament fabric withstands high abrasion from applied overburden and prevents intrusion into the drainage core due to its low elongation characteristics. As such, the woven fabric is better suited to receive direct poured concrete than nonwoven geotextile fabrics.

### **Mapedrain™ 50**

#### **Extra High-Strength, High-Flow, Prefabricated Drainage Composite**

*Mapedrain 50* is an extra high-strength, three-dimensional drainage composite. It consists of a woven filter fabric bonded to individual dimples of a molded polypropylene core, minimizing fabric intrusion into the drainage channels caused by overburden pressure. The filter fabric allows water to pass freely into the drainage core, which provides hydrostatic relief while preventing the passage of soil or sand particles that might clog the core. *Mapedrain 50*'s woven, monofilament fabric withstands high abrasion from applied overburden and prevents intrusion into the drainage core due to its low elongation characteristics. As such, the woven fabric is better suited to receive direct poured concrete than nonwoven geotextile fabrics.

### **Mapedrain™ TD Drainage Composite**

#### **High-Strength, High-Flow Drainage Composite for Foundations**

*Mapedrain TD Drainage Composite* is a high-strength, three-dimensional modular drainage and collection composite for foundations. It consists of a nonwoven filter fabric that is bonded to and wrapped around a molded polypropylene core, minimizing fabric intrusion into the drainage channels that are caused by overburden pressure. The filter fabric allows water to pass freely into the drainage core, which provides hydrostatic relief while preventing the passage of soil or

sand particles that might clog the core. *Mapedrain TD Drainage Composite* is designed to replace a conventional gravel-covered pipe drain.

### **Mapofer™ 1K**

#### **Corrosion-Inhibiting Coating for Reinforcing Steel**

*Mapofer 1K* is a one-component anticorrosion coating based on unique polymers, cementitious binders and corrosion inhibitors. *Mapofer 1K* is specially formulated for application on clean reinforcing steel to inhibit oxidation and rust formation.

### **Mapeflex™ P1**

#### **One-Component, Nonsag Elastomeric Polyurethane Sealant**

*Mapeflex P1* is a high-performance, one-component, elastomeric, moisture-cured, polyurethane sealant and adhesive. *Mapeflex P1* offers excellent adhesion to most surfaces, superior gunning and tooling, as well as excellent flexibility for moving joints. *Mapeflex P1* meets the requirements of ASTM C920, Type S, Grade NS, Class 25, Uses NT, T, M, G, A and O; TT-S-00230C, Type II, Class A; AAMA 808.3-92; and CAN/CGSB-19.13-M87.

### **Mapefloor™ Finish 415 NA**

#### **Two-Component, Polyurethane Topcoat for Mapefloor Parking Deck System**

*Mapefloor Finish 415 NA* is a two-component, solvent-free, aromatic polyurethane topcoat specifically designed to provide a protective wear coat for elevated concrete surfaces, where the *Mapefloor* parking deck system is utilized. *Mapefloor Finish 415 NA*, in combination with the proper *Mapefloor* parking deck system, protects concrete substrates from water and salt intrusion while, at the same time, providing a seamless, attractive, slip-resistant wearing surface.

### **Mapefloor™ Finish 450**

#### **Two-Component, Aliphatic Polyurethane Topcoat for Mapefloor Parking Deck System**

*Mapefloor Finish 450* is a two-component, solvent-free, aliphatic polyurethane topcoat specifically designed to provide a protective wear coat for elevated concrete surfaces in areas that are exposed to direct sunlight. *Mapefloor Finish 450*, in combination with the proper *Mapefloor* parking deck system, protects concrete substrates from water and chloride penetration while, at the same time, providing a seamless, attractive, slip-resistant wearing surface.

## **Mapefloor™ PU 400 LV**

### **Two-Component, Low-Viscosity, Polyurethane Basecoat for Mapefloor Parking Deck System**

*Mapefloor PU 400 LV* is a two-component, low-viscosity, polyurethane basecoat specifically designed for use as a waterproofing membrane for elevated concrete surfaces where the *Mapefloor* parking deck system is utilized. With its high elongation and crack-bridging properties, *Mapefloor PU 400 LV* is suited as a basecoat layer on concrete substrates subject to vibration.

## **Mapeguard® 2**

### **Premium Crack-Isolation and Sound-Reduction Sheet Membrane**

*Mapeguard 2* is a next-generation, flexible, thin, 40-mil, lightweight, load-bearing, fabric-reinforced “peel-and-stick” crack-isolation membrane. After application, ceramic tile or stone can be installed immediately with any polymer-modified cement-based mortar. Glue-down wood flooring can also be installed with any MAPEI urethane adhesive.

*Mapeguard 2* helps to prevent existing or future in-plane floor cracks (with movement up to 3/8” [10 mm] wide) from transmitting through grout, ceramic tile or natural stone. It also reduces the transmission of impact sound (footsteps, dropped objects, etc.) and airborne sound (voice, TV, etc.) through floors when installed under ceramic tile, stone or wood-floor coverings.

## **MAPEI Flexcolor™ CQ**

### **Ready-to-Use Grout with Color-Coated Quartz**

*MAPEI Flexcolor CQ* is a professional-grade, ready-to-use specialty grout for precision commercial and residential installations with porcelain, ceramic and natural-stone tiles. *MAPEI Flexcolor CQ* can be used to grout interior/exterior tile, and its nonporous composition helps to prevent water-based stains by providing water repellency to the grout surface. *MAPEI Flexcolor CQ* is formulated with the latest innovation in quartz aggregate, which ensures color consistency, ease of cleanability and improved workability. In addition, this grout can be used on sensitive tile surfaces once tested, requires no sealer and cures naturally from evaporation of the low level of water in the formulation.

## **MAPEI SM Primer™**

### **Water-Based Primer for MAPEI Peel-and-Stick Membranes**

*MAPEI SM Primer* is a ready-to-use, fast-drying, water-based, latex primer for

use under MAPEI’s peel-and-stick sheet membranes on residential and commercial indoor or outdoor floors. *MAPEI SM Primer* greatly increases the bond of MAPEI’s peel-and-stick sheet membranes to concrete, plywood and other approved, properly prepared floors. It can be applied with a roller or brush, is white in color and dries clear.

## **MAPEI Ultralite™ Mortar**

### **Premium, Lightweight Mortar with Polymer for Large-and-Heavy Tile**

*MAPEI Ultralite Mortar* is a premium-grade, lightweight, single-component thin-set mortar that can also be used for large-and-heavy-tile (formerly known as “medium-bed”) and nonsag applications. This high-performance, polymer-modified mortar is formulated with Easy Glide Technology™ for ease of application, and with BioBlock® technology for mold and mildew resistance. *MAPEI Ultralite Mortar*’s unique Ultralite Technology™ provides twice the coverage of a standard thin-set mortar per pound/kg and may contribute to LEED points with more than 20% recycled content.

## **MAPEI Ultralite™ S2**

### **Premium, Highly Deformable, Lightweight Thin-Tile Mortar with Polymer**

*MAPEI Ultralite S2* is a premium-grade, lightweight, single-component thin-set mortar that is ideal for thin-tile applications. This high-performance, highly deformable, polymer-modified mortar is formulated with Easy Glide Technology™ for ease of application. *MAPEI Ultralite S2* features a long open time, extended coverage and superior transfer properties to enhance back-buttering, which is ideal for thin porcelain tiles as well as ceramic tiles and stone material. *MAPEI Ultralite S2*’s unique Ultralite Technology™ provides twice the coverage of a standard thin-set mortar per pound/kg and may contribute to LEED points with 20% recycled content.

## **Mapelastic® AquaDefense**

### **Premium Waterproofing and Crack-Isolation Membrane**

*Mapelastic AquaDefense* is a premixed, advanced liquid-rubber, extremely quick-drying waterproofing and crack-isolation membrane for installation under ceramic tile or stone in residential, commercial and industrial environments. *Mapelastic AquaDefense* provides a thin, continuous barrier to protect adjacent rooms and floors below from water damage. For common problem areas like coves, corners, cracks and drains, it can be combined with

MAPEI’s optional *Reinforcing Fabric* or *Mapeband™* accessories (cove roll and drain flash) to provide additional protection. *Mapelastic AquaDefense* dries after about 30 to 50 minutes and is then ready to receive any MAPEI polymer or epoxy mortar. *Mapelastic AquaDefense* can be flood-tested after 12 hours of drying time, is IAPMO-listed for use as a shower-pan liner, and exceeds ANSI A118.10 and ANSI A118.12 standards.

## **Mapelastic® 315**

### **Professional, Cement-Based Waterproofing Membrane**

*Mapelastic 315* is a trowel-applied, flexible, fiber-mesh-reinforced waterproofing and crack-isolation membrane for installation under ceramic tile and stone on indoor/outdoor residential, commercial and industrial intermittent wet and submerged applications. *Mapelastic 315* provides an excellent barrier to prevent water from migrating into other areas. *Mapelastic 315* is compatible with any polymer-modified cement-based mortar (ANSI A118.4 or better) or epoxy mortar (ANSI A118.3). *Mapelastic 315* exceeds ANSI A118.10 requirements for waterproofing and is IAPMO-listed for use as a shower-pan liner.

## **Mapeproof™ Granules**

### **Sodium Bentonite Granules**

*Mapeproof Granules* are sodium bentonite clay granules used as a detailing accessory material in conjunction with *Mapeproof HW* and *Mapeproof SW* waterproofing membranes. When *Mapeproof Granules* come into contact with moisture, they form into a dense, low-permeable gel that produces a seamless waterproofing system when combined with *Mapeproof HW* or *Mapeproof SW* waterproofing membrane.

## **Mapeproof™ HW**

### **Bentonite Geotextile Sheet Waterproofing Membrane**

*Mapeproof HW* waterproofing membrane is composed of sodium bentonite clay encapsulated between two polypropylene geotextile fabrics – a nonwoven and a woven fabric – at a rate of 1.13 lbs. per sq. ft. (5.5 kg per m<sup>2</sup>). The nonwoven fabric is needle-punched through to the woven fabric, with thousands of fibers mechanically locking the sodium bentonite clay in place. After backfill is placed and confined under pressure, *Mapeproof HW* hydrates and forms a monolithic waterproofing membrane when exposed to moisture. *Mapeproof HW* contains zero VOCs and can be installed in most weather conditions as well as to green concrete.

The swelling characteristics of the sodium bentonite clay in *Mapeproof HW* can seal small concrete cracks caused by ground settlement, concrete shrinkage or seismic action. *Mapeproof HW* also forms a strong mechanical bond to concrete when the concrete is poured onto the nonwoven geotextile fibers.

## **Mapeproof™ Sealant**

### **Detailing Sealant for Mapeproof HW and Mapeproof SW**

*Mapeproof Sealant* is a trowel-grade sealant, composed of sodium bentonite clay and specially designed polymers, that is used as a detailing accessory in conjunction with *Mapeproof HW* and *Mapeproof SW* waterproofing membranes. When *Mapeproof Sealant* comes into contact with moisture, it swells to seal against water intrusion. *Mapeproof Sealant* is easily applied and bonds to most substrates. When used with *Mapeproof HW* or *Mapeproof SW*, *Mapeproof Sealant* forms a seamless waterproofing system.

## **Mapeproof™ SW**

### **Bentonite Geotextile Sheet Waterproofing Membrane for Salt/Contaminated Groundwater**

*Mapeproof SW* waterproofing membrane is composed of a proprietary blend of sodium bentonite and a special polymer encapsulated between two polypropylene geotextile fabrics — a nonwoven and a woven fabric — at a rate of 1.1 lbs. per sq. ft. (5.3 kg per m<sup>2</sup>). The nonwoven fabric is needle-punched through to the woven fabric, with thousands of fibers mechanically locking the sodium bentonite blend in place. After backfill is placed and confined under pressure, *Mapeproof SW* hydrates and forms a monolithic waterproofing membrane when exposed to moisture.

The proprietary blend of sodium bentonite and polymer enables *Mapeproof SW* to form this monolithic waterproofing membrane when exposed to salt and other contaminants.

*Mapeproof SW* contains zero VOCs and can be installed in most weather conditions as well as to green concrete. The swelling characteristics of the sodium bentonite clay in *Mapeproof SW* can seal small concrete cracks caused by ground settlement, concrete shrinkage or seismic action. *Mapeproof SW* also forms a strong mechanical bond to concrete when the concrete is poured onto the nonwoven geotextile fibers.

## **Mapeshield™ I**

### **Pure Zinc Galvanic Anode**

*Mapeshield I* is a pure zinc anode for cathodic protection of reinforcing steel against corrosion in new, reinforced structures as well as structures requiring repair.

## **Mapesil™ T**

### **100%-Silicone Sealant for Heavy Traffic and Movement Joints**

*Mapesil T* is a professional-grade, 100%-silicone sealant for use on multiple substrates. This product is specifically formulated for heavy traffic and expansion/movement joints exceeding both ASTM and ANSI standards.

## **Mapesonic™ 2**

### **Premium Sound-Reduction and Crack-Isolation Sheet Membrane**

*Mapesonic 2* is a patent-pending, next-generation, flexible, 76-mil thin, lightweight, load-bearing, fabric-reinforced “peel-and-stick” sound-reduction and crack-isolation membrane. Application of *Mapesonic 2* can be immediately followed by installation of flooring: ceramic tile or stone with a recommended MAPEI polymer-modified, cement-based mortar; luxury vinyl tile or luxury vinyl plank with an appropriate MAPEI flooring adhesive; or glue-down wood flooring with any MAPEI urethane or hybrid-polymer-based wood adhesive.

*Mapesonic 2* reduces transmission of impact sound (such as footsteps and dropped objects) and airborne sound (such as voice and TV) through floors when installed under ceramic tile, stone, vinyl and wood floor coverings. It also helps to prevent existing or future in-plane floor cracks (with movement up to 3/8" [10 mm] wide) from transmitting through grout, ceramic tile and natural-stone assemblies.

## **Mapethene™ HT**

### **High-Temperature, Self-Adhered Sheet Waterproofing**

*Mapethene HT* is a 60-mil, self-adhering sheet membrane consisting of 56 mils of rubberized asphalt laminated to a 4-mil, cross-laminated polyethylene film. The combination of these two excellent waterproofing materials provides a durable, high-performance waterproofing membrane. *Mapethene HT* membrane is suitable for installations where the ambient and substrate temperatures are above 40°F (4°C). *Mapethene LT* is designed for ambient and substrate temperatures between 25°F and 60°F (-4°C and 16°C).

## **Mapethene™ LT**

### **Low-Temperature, Self-Adhered Sheet Waterproofing**

*Mapethene LT* is a 60-mil, self-adhering sheet membrane consisting of 56 mils of rubberized asphalt laminated to a 4-mil, cross-laminated polyethylene film. The combination of these two excellent waterproofing materials provides a durable, high-performance waterproofing membrane. *Mapethene LT* membrane is suitable for installations where the ambient temperature is between 25°F and 60°F (-4°C and 16°C). When the ambient or substrate temperature is above 60°F (16°C), *Mapethene HT* should be used.

## **Mapethene™ Mastic**

### **Rubberized-Asphalt Waterproofing Detailing Mastic**

*Mapethene Mastic* is a solvent-based, rubberized-asphalt mastic that provides excellent adhesion to *Mapethene HT* and *Mapethene LT* waterproofing sheet membranes as well as to structural concrete, masonry and wood surfaces. *Mapethene Mastic* is for use as a secondary seal on the seams, T-joints, laps, penetrations, terminations and other detailing areas of *Mapethene* waterproofing membranes. *Mapethene Mastic* is designed for use only on the top surface and edges of *Mapethene HT* and *Mapethene LT* membranes.

## **Modified Mortar Bed**

### **Polymer-Modified Thick-Bed and Render Mortar**

*Modified Mortar Bed* is a pre-blended, cement-based, polymer-modified thick-bed and render mortar that includes a blend of select aggregates. Rather than requiring the use of a latex additive, it only needs mixing with water to produce a thick-bed mortar of exceptional strength.

## **Novoplan® 2 Plus**

### **Professional Self-Leveling Underlayment**

*Novoplan 2 Plus* is a high-strength, self-leveling cement-based underlayment and repair mix with quicker curing time, for interior concrete and engineer-approved floors.

## **Planiprep™ SC**

### **High-Performance, Fiber-Reinforced Skimcoating Compound**

*Planiprep SC* is a high-performance, polymer-modified, fiber-reinforced, cement-based skimcoating and patching compound. Use *Planiprep SC* to skimcoat and smooth minor surface variations and defects on

common substrates. *Planiprep SC* creates a strong, durable surface ready for almost any floor application. Its unique formulation mixes easily with water and produces an easy-to-apply patching compound. Rapid-setting *Planiprep SC* allows for fast-track flooring installations in 30 to 60 minutes after application, depending on thickness and environmental conditions.

### **Planitop® 12 SR**

#### **Sulfate-Resistant, Vertical, Overhead and Horizontal Repair Mortar with Silica Fume**

*Planitop 12 SR* is a sulfate-resistant, one-component, shrinkage-compensated, cementitious repair mortar. *Planitop 12 SR* is fiber-reinforced and contains both silica fume and a corrosion inhibitor, and is intended for the repair of vertical, overhead and horizontal concrete surfaces. *Planitop 12 SR* is used in those areas with soils containing high alkalinity, near seawater or where sulfate groundwater is present, such as underground structures, retaining walls, foundations, slabs on grade, coal-fired power plants, sewage-treatment plants and fertilizer plants. *Planitop 12 SR* can be used between the temperatures of 45°F and 95°F (7°C and 35°C).

### **Planitop® XS**

#### **One-Component, Fast-Setting, Extended-Working-Time, Vertical and Overhead Repair Mortar**

*Planitop XS* is an extended-working-time variation of *Planitop X*. Shrinkage-compensated, fiber-reinforced, polymer-modified and containing a proprietary corrosion inhibitor, *Planitop XS* features *Planitop X*'s outstanding workability and versatility. Ideal for a wide variety of vertical and overhead concrete repairs,

*Planitop XS* can be applied from featheredge to 4" (10 cm) per lift. *Planitop XS* dries to a light gray color, blending well with most concrete surfaces.

### **Primer L™**

#### **Advanced-Technology, Acrylic Latex Primer for Concrete**

*Primer L* is a concentrated, solvent-free acrylic primer used before the installation of underlayments. It is green for easy identification. *Primer L* improves the bond between a properly prepared and profiled concrete substrate, and a self-leveling underlayment. *Primer L* can also be used as a primer for gypsum-based underlayments and patches.

### **Primer SN™**

#### **Two-Component, Fillerized Epoxy Primer**

*Primer SN* is a two-component, fillerized epoxy primer specifically designed to enhance adhesion of multi-layer flooring systems, such as MAPEI's *Mapefloor™* polyurethane and epoxy deck and flooring systems, as well as a primer for cement screeds and epoxy mortars. It is typically applied on concrete surfaces, such as floor slabs in institutional buildings, storage and logistical areas, parking garages, balconies and walkways. Low in VOCs and viscosity, *Primer SN* penetrates well for an excellent mechanical and chemical bond both with the substrate and with coatings that are subsequently applied to the primer coating.

### **Primer T™**

#### **All-Purpose Primer for Self-Leveling Underlayments**

*Primer T* is a low-VOC, water-based acrylic primer that enhances the performance and adhesion of self-leveling underlayments (SLUs) on nonabsorbent surfaces such as ceramic tile, vinyl composition tile (VCT), epoxy moisture barriers and adhesive residue, as well as profiled, absorbent surfaces. Suitable for a wide variety of substrates, *Primer T* combines excellent versatility with an easy, low-odor application.

### **Reinforcing Fabric**

MAPEI's *Reinforcing Fabric* is a strong, absorbent, polyester reinforcing fabric for use with *Mapelastix® 400* and *Mapelastix AquaDefense* waterproofing membranes, including as a component in MAPEI's *ShowerPerfect™* shower installation systems.

### **ShowerPerfect™ Drain Strainer** **Stainless-Steel, Height-Adjustable Strainer**

The *ShowerPerfect* Drain Strainer is made of high-quality, stainless steel. Packaged with the drain, convenient plastic spacers for adjusting the strainer height provide versatility when various thicknesses of tile or stone are installed. At 32" (81 cm) in length, the strainer comes in three finishes – brushed stainless steel, polished stainless steel and oil-rubbed bronze. A tile-in strainer option is also offered.

### **ShowerPerfect™ Linear Drain Assembly Kit**

**24" (61 cm) PVC Linear Drain Body, Frame and Extension Components**  
*ShowerPerfect* Linear Drain Assembly Kit contains the *ShowerPerfect* Linear

Drain Body – a durable, patented, PVC linear floor drain that is lightweight, low-profile and specifically designed for use with *Mapelastix® AquaDefense* or *Mapelastix WSM* waterproofing membrane. *ShowerPerfect* Linear Drain Body is plumbing-code-approved with PMG products certified by ICC-ES (International Code Council) and Canada's cUPC (Uniform Plumbing Code) products listed by IAPMO. Allowing for the use of large-format tile or stone installations with a single plain slope to the drain, *ShowerPerfect* Linear Drain is engineered to be installed 3" to 6" (7.5 to 15 cm) away from the wall and comes with the standard vertical waste line. *ShowerPerfect* Drain Extenders are included to accommodate wall-to-wall shower compartment installations from 26" to 32" (66 to 81 cm) in width. The *ShowerPerfect* Drain Frame is a stainless-steel drain frame and clamping collar, ensuring a waterproof seal and featuring locator pins fabricated into the linear drain body for ease of alignment after waterproofing.

### **ShowerPerfect™ LM Installation Kit**

#### **Shower Installation Kit Designed for Mapelastix® AquaDefense Waterproofing Liquid Membrane**

*ShowerPerfect* LM Installation Kit includes waterproofing components for combination with *Mapelastix AquaDefense* liquid membrane. The *ShowerPerfect* Installation System is ideal for tub-to-shower conversions for commercial, light commercial and residential uses in hotels, hospitality facilities, institutions, dormitories, condominiums, single-family residences, etc. This convenient kit approach includes 2 *ShowerPerfect* Pre-Sloped Panels, a *ShowerPerfect* Drain Support Frame, a *ShowerPerfect* Curb, 4 *ShowerPerfect* LM Inside Corners, 2 *ShowerPerfect* LM U-Shaped Curb Covers, 5 *ShowerPerfect* Shower Curb Lag Screws and a roll of *Reinforcing Fabric*.

### **ShowerPerfect™ SM Installation Kit**

#### **Shower Installation Kit Designed for Mapelastix® WSM Waterproofing Sheet Membrane**

*ShowerPerfect* SM Installation Kit includes waterproofing components for combination with *Mapelastix WSM* sheet membrane, which is also included. The *ShowerPerfect* Installation System is ideal for tub-to-shower conversions for commercial, light commercial and residential uses in hotels, hospitality facilities, institutions, dormitories, condominiums, single-

family residences, etc. This convenient kit approach includes 2 *ShowerPerfect* Pre-Sloped Panels, a *ShowerPerfect* Drain Support Frame, a *ShowerPerfect* Curb, 4 *ShowerPerfect* Inside Corners, 1 tube of *ShowerPerfect* Hybrid Sealant, 2 *ShowerPerfect* SM U-Shaped Curb Covers, 5 *ShowerPerfect* Shower Curb Lag Screws and a roll of *Mapelastic WSM* sheet membrane.

### **Topcem™ Premix**

#### **Ready-to-Use, Accelerated-Cure Screed**

*Topcem Premix* is a ready-to-use mortar suitable for interior and exterior applications, bonded as well as unbonded. It has an accelerated set, allowing for installation of ceramic flooring in 1 day after placement, and nonbreathable flooring systems in 2 days. *Topcem Premix* can easily be screeded or sloped, and has the workability and working time of conventional screed mortars with a much faster setting time. It is ideal for interior or exterior repairs such as filling trenches, re-sloping balconies, and forming screeds that may or may not receive subsequent flooring installations.

### **Ultrabond ECO® 185**

#### **Professional Carpet Adhesive**

*Ultrabond ECO 185* is a longtime favorite adhesive of the commercial carpet installer with fast grab, excellent leg development and superb bond strength. *Ultrabond ECO 185* is FastTrack Ready™, making it suitable for use over fresh concrete slabs with diminishing moisture vapor emission rates (MVERs) up to 8 lbs. per 1,000 sq. ft. (3.63 kg per 92.9 m<sup>2</sup>) per 24 hours and 90% relative humidity. Use to install carpets with jute, polypropylene (ActionBac), latex-unitary, sponge-rubber, hot-melt (Unibond), needle-punched, woven, closed-cellular urethane and Enhancer backings.

### **Ultrabond ECO® 220**

#### **Premium Flooring Adhesive**

*Ultrabond ECO 220* is designed specifically for installing most carpet and felt-backed sheet flooring. Its high-solids formulation is perfectly suited for commercial flooring applications where heavy traffic is expected. *Ultrabond ECO 220* also exhibits an extended working time, making it ideal for the installation of patterned carpets. *Ultrabond ECO 220* may be used in both direct and double glue-down installation methods for carpet.

### **Ultrabond ECO® 360**

#### **Premium, High-Performance Adhesive for Solid Vinyl Sheet, Tile and Plank**

*Ultrabond ECO 360* is a proprietary, high-performance, wet-lay and pressure-sensitive adhesive designed specifically for installing homogeneous and heterogeneous solid vinyl flooring. With its strong, durable, moisture-resistant and alkali-resistant bond, it is ideal for commercial and institutional applications. *Ultrabond ECO 360* has an excellent open time, develops strength quickly, performs well under rolling loads and resists indentation. Its low volatile organic content makes it ideal for use in occupied buildings such as hospitals and medical centers.

### **Ultrabond ECO® 575**

#### **Premium Wall-Base Adhesive**

*Ultrabond ECO 575* is a premium wall-base adhesive specifically designed to provide superior bond and impact resistance for rubber, vinyl and carpet wall base. *Ultrabond ECO 575* also has been recently reformulated to offer even greater grab and wet strength, keeping corners wrapped tight. Its acrylic-based, light-colored formulation won't stain even the whitest wall base. In addition, *Ultrabond ECO 575* can be used to install various types of carpet in vertical/wall applications.

### **Ultrabond ECO® 810**

#### **Professional Carpet Tile Adhesive**

*Ultrabond ECO 810* provides quick drying times and an enhanced, aggressive tack for fast-track installations of vinyl-backed carpet tile. Flooring can be installed into *Ultrabond ECO 810* in its wet state for permanent bonding. *Ultrabond ECO 810* can also be allowed to dry to its tacky phase for releasable installations. Install *Ultrabond ECO 810* by spray, roller or trowel, depending on the installation application. This adhesive is suitable for use over fresh concrete slabs with diminishing moisture vapor emission rates (MVERs) up to 8 lbs. per 1,000 sq. ft. (3.63 kg per 92.9 m<sup>2</sup>) per 24 hours and 90% relative humidity.

### **Ultrabond ECO® 995**

#### **Premium Moisture-Control, Sound-Reduction and Wood-Flooring Adhesive**

*Ultrabond ECO 995* is MAPEI's premium, 100%-solids, one-component, moisture-curing urethane adhesive for all types of wood flooring and bamboo. *Ultrabond ECO 995* can be used in a single-coat application method that provides a superior bond and moisture vapor emission control

on concrete slabs. *Ultrabond ECO 995* also provides sound-reduction properties, making it suitable for use in multi-unit housing projects.

### **UltraCare™ Penetrating Plus SB Stone & Porcelain Tile Sealer**

*UltraCare* Penetrating Plus SB Stone & Porcelain Tile Sealer is a premium, natural-look, solvent-based penetrating sealer that uses VOC-exempt materials and will provide maximum protection against most common stains for all interior and exterior natural stone (marble, limestone, sandstone, slate, granite, travertine, etc.), unglazed porcelain and ceramic tiles, masonry, quarry tiles and cement grout. The product can also be used as a pre-grouting sealer.

### **UltraCare™ Penetrating Plus Stone, Tile & Grout Sealer**

*UltraCare* Penetrating Plus Stone, Tile & Grout Sealer is a premium, natural-look, water-based penetrating sealer that provides maximum protection against most common stains for all interior and exterior natural stone (marble, limestone, sandstone, slate, granite, travertine, etc.), unglazed ceramic tile, masonry and cement grout. The product can also be used as a pre-grouting sealer.

### **UltraCare™ Penetrating SB Stone, Tile & Grout Sealer**

*UltraCare* Penetrating SB Stone, Tile & Grout Sealer is a natural-look, solvent-based penetrating sealer that provides maximum protection against most common stains. It is safe for use on all interior and exterior natural stone (marble, limestone, sandstone, slate, granite, travertine, etc.), unglazed porcelain and ceramic tiles, masonry, quarry tiles and cement grout. The product can also be used as a pre-grouting sealer.

### **Ultracoat® Aqua Plus**

#### **Sawdust Admixture for Crack Filling of Wood Flooring**

*Ultracoat Aqua Plus* is a single-component binder that is mixed with sawdust produced during the final sanding process of preparing wood floors, and used to fill voids and cracks before the final application of water-based wood-floor finishing systems. *Ultracoat Aqua Plus* has extremely high wetting properties, is low in viscosity and forms a high-solids paste with excellent adhesion and workability. After application, the mixture dries quickly and can be sanded easily. The remaining mixture can be stored in a sealed plastic container.

## **Ultracoat® High Traffic**

### **Two-Component, Water-Based Polyurethane Wood-Flooring Finish**

*Ultracoat High Traffic* is a two-component, water-based wood-flooring finish that is available in the gloss levels of matte, satin and semi-gloss. Suitable for use in interior residential and heavy commercial applications where extreme traffic is expected, *Ultracoat High Traffic* is an aliphatic polyurethane resin system with excellent abrasion resistance for solid, pre-sanded wood floors. *Ultracoat High Traffic* adds a warm color to the wood and is non-yellowing.

## **Ultracoat® Toning Base**

### **Two-Component, Deep-Tone Sanding Sealer**

*Ultracoat Toning Base* is a two-component, deep-tone, water-based sanding sealer for all types of wood flooring – including exotic species – and is designed to enhance the natural color of wood without causing it to darken or redden. *Ultracoat Toning Base* provides a deep look similar to what solvent-based sealers offer and is specifically designed to work with *Ultracoat* water-based finishes. *Ultracoat Toning Base* seals freshly sanded wood flooring and creates a base layer that isolates the finish coat from penetrating into the open wood surface.

## **Ultracoat® Universal Base**

### **One-Component Sanding Sealer**

*Ultracoat Universal Base* is a one-component, rapid-drying, water-based sanding sealer for solid, engineered and exotic wood flooring. Specifically designed to work with *Ultracoat* water-based finishes, *Ultracoat Universal Base* seals freshly sanded wood flooring and creates a base layer that isolates the finish coat from penetrating into the open wood surface.

## **Ultracolor® Plus FA**

### **Rapid-Setting, “All-in-One” Grout Replacement for Sanded and Unsanded Grouts**

*Ultracolor Plus FA* with DropEffect™ technology is an ultra premium, fine-aggregate, fast-setting, polymer-modified, color-consistent, nonshrinking, efflorescence-free grout for joint widths from 1/16" to 3/4" (1,5 to 19 mm). DropEffect reduces surface absorption to help repel water, dirt and grime from penetrating grout joints. *Ultracolor Plus FA* 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. Along

with offering higher polymer content, HCT reduces absorption and increases stain resistance when compared with standard-performance cement grouts. *Ultracolor Plus FA* is formulated with 10% recycled content and meets the ANSI A138.1 specification for GreenSquared certification.

## **Ultraflex™ LFT™**

### **Premium, Large-and-Heavy-Tile Mortar with Polymer**

*Ultraflex LFT* is a premium, nonsag large-and-heavy-tile mortar (formerly known as “medium-bed mortar”) 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.

## **Ultraflex™ RS**

### **Premium, Rapid-Setting Tile Mortar with Polymer**

*Ultraflex RS* is a premium-grade, single-component, high-performance, polymer-modified, rapid-setting thin-set mortar for interior and exterior installations of tile. This mortar has a high content of unique dry polymer, resulting in excellent adhesion to the substrate and tile. *Ultraflex RS* is a FastTrack Ready™ product, allowing grouting in 2 to 3 hours. 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.

*Ultraflex RS* meets or exceeds ANSI A118.4F, ANSI A118.11 and ANSI A118.15F requirements for fast-setting mortars when mixed with water.

## **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. *Ultraplan 1 Plus* has high strength and is abrasion-resistant, able to withstand light foot traffic after 2 to 3 hours and vehicular rubber-wheel traffic after 3 days.

## **Ultraplan® Extreme 2**

### **Weather-Resistant, High-Compressive-Strength, Self-Leveling Underlayment**

*Ultraplan Extreme 2* is an advanced hydraulic-cement-based, self-leveling

compound designed for fast-track underlayment applications. It is especially formulated for leveling interior horizontal concrete surfaces where environmental controls are not operational or the building is not enclosed. Once installed, *Ultraplan Extreme 2* is not affected by exposure to intermittent rain exposure after 6 hours or to freezing temperatures after 3 days of curing. Its high compressive strength is designed to allow it to be exposed to traffic as a temporary wear layer until the floor is covered with floor covering. *Ultraplan Extreme 2* has no moisture vapor emission limitations and can be installed without testing on properly prepared concrete substrates. It is the self-leveling compound of choice for use under moisture-controlling adhesive systems and epoxy moisture barriers.

## **Ultratop®**

### **High-Performance, Quick-Setting, Self-Leveling Concrete Topping**

*Ultratop* is a self-leveling, self-drying topping based on High-Hydrated Cement Technology (HCT™) that is specially formulated for fast-track resurfacing of interior horizontal wear surfaces.



## Get specific with MAPEI and get your CES credits

We have all the tools to make your learning experience a success. MAPEI's Architectural Education Program provides quality training modules related to system solutions. Our educational program offers on-demand Web access to our AIA-registered courses, giving architects the flexibility to earn CEUs online or in-person at their design office.

Visit us in the U.S. at [www.mapei.us/architects](http://www.mapei.us/architects) or in Canada at [www.mapei.ca/architects](http://www.mapei.ca/architects).



# HOSPITALITY



MAPEI Americas

#### **MAPEI Headquarters of North America**

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

#### **Technical Services**

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

#### **Customer Service**

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

#### **Services in Mexico**

0-1-800-MX-MAPEI (0-1-800-696-2734)

Copyright ©2017 by MAPEI Corporation ("MAPEI") and all rights are reserved. All intellectual property rights and other information contained in this document are the exclusive property of MAPEI (or its parent or related companies), unless otherwise noted. No part of this document may be reproduced or transmitted in any form without the prior written consent of MAPEI.

**Edition Date:** September 25, 2017

PR: 8064 MKT: 17-2090 Printed in the USA.



[www.mapei.com](http://www.mapei.com)

ADHESIVES • SEALANTS • CHEMICAL PRODUCTS FOR BUILDING