

SYSTEM SOLUTIONS GUIDE

RESIDENTIAL HIGH-RISES





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Residential high-rise construction is in demand, and each project brings specific challenges. MAPEI has solutions to these important challenges:

FAST TRACK

Residential high-rise settings generate impressive revenue per square foot (meter) – but only once the doors are open. These buildings are often designed with a compressed schedule in mind. MAPEI's FastTrack Ready™ products are designed to be faster-setting and to deal with the moisture issues that "green" concrete can pose. We offer concrete additives that can improve the performance of the concrete specified. MAPEI's team can guide you in selecting installation products to ensure that the products work with your schedule.

SOUND CONTROL

To appease the most demanding condominium boards and stringent building codes, MAPEI has developed a portfolio of innovative sound solutions to control ambient noise transmission and impact sound transfer. Best of all, MAPEI sound-reduction membranes have been designed to work with our adhesives, mortars and levelers to provide a total solution to multi-family sound challenges.

LONGEVITY

Builders of residential high-rise buildings cannot afford downtime. MAPEI is there from the first stages of construction, protecting against water intrusion with our below-grade waterproofing products. Our high-performance self-leveling underlayments and adhesives ensure that the floors are up to the task, preparing them for the final finishes. We back our products with our industry-leading Best-BackedSM warranties, ensuring that we will stand behind the products installed long after the general contractor has handed over the keys to the building.

HEALTH

Owners and occupants expect residential settings to be comforting, not irritating from exposure to harsh chemicals. MAPEI's "Green Innovation" products are formulated from the ground up to offer sustainable solutions for healthy settings. Many of our products have third-party certifications such as Green Label Plus and Green Squared. Most of our adhesives are designed with low VOCs in mind. The MAPEI team can help when designing to meet the requirements of any of the popular sustainable building programs.

BEAUTY

Today's residential settings rival hotels and resorts. Common areas are bright and open, and feature high-end finishes. MAPEI's experience in working with the major floor and wall coverings on the market today helps to ensure that installations are as trouble-free as they are beautiful. We also offer concrete finishes that can be polished, colorful (and durable) coatings for building exteriors, and a beautiful array of grout choices for tile installations.

SUSTAINABILITY

There is a growing demand for sustainable designs for high-rise buildings. A building's "atmosphere or carbon footprint" is impacted by site location. The design challenge is to work with the site location and products selected to optimize water efficiency, energy efficiency and indoor environmental quality (IEQ).

This trend toward sustainability has also led to an evolution in systems and techniques. MAPEI has formulated its products – including

This trend toward sustainability has also led to an evolution in systems and techniques.

adhesives, binders, admixtures, ready-mixed screed mortars, primers, consolidators and waterproofing products – to provide building materials that are sustainable and transparent. Believing that true sustainability requires a balance between performance and transparency, MAPEI provides products that are solvent-free with a very low content of volatile organic compounds (VOCs), keeping in mind the health and well-being of installers as well as occupants.

To quickly identify MAPEI products that can contribute to sustainable programs, look for the Green Innovation logo on product packaging and printed materials. For specific green product certifications and documentation, contact MAPEI's Technical Services Sustainability Team at 1-800-992-6273.

This brochure is an introduction to typical systems found in residential high-rise settings and the MAPEI products that can make your next project a reality.

SYSTEM SOLUTIONS FOR THE CONSTRUCTION INDUSTRY

1

Tile & Stone
Installation
Systems

2

UltraCare Stone,
Tile, Grout Care
and Maintenance
Solutions

3

Profiles for Floors
and Coverings

4

Profiles and
Shower Systems

5

Skirting Boards

6

Raised Floors

7

Floor Covering
Installation
Systems

8

Products for
Sports Surfaces

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Products for Wood
Flooring

10

Manufactured
Stone Veneer
Systems

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Cementitious and
Resin Flooring
Systems

12

Waterproofing
Systems

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Construction
and Restoration
Systems

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Products for
Structural
Strengthening

15

Concrete Flooring
Solutions

16

Admixtures for
Concrete

17

Cement Additives

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Products for
Underground
Construction (UTT)

19

Products for the
Marine Industry

SUPERIOR PRODUCTS

A Complete Range of Products

MAPEI produces the most innovative products for the construction market. More than 8,100 products globally (adhesives, sealants, mortars, admixtures, latex, etc.) are manufactured in MAPEI's plants, which produce the world's most complete range of building products. Diversified, high-quality chemical products – from powdered adhesives, to liquid and paste products, to polymers – are created to meet the needs of more than 78,000 customers around the world.

Quality Control

MAPEI is an ISO 9001-2000 certified company. Its 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.

PROFESSIONAL SUPPORT NETWORK

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 sales.



Technical Expertise

An in-house Technical Services Call Center responds to customers' telephone inquiries with answers to installation challenges in real time. In addition, MAPEI can offer field support for job startups, product training and on-site problem resolution.

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 dialogue.

Innovative Research & Development

We have always been highly committed to this sector. Our research scientists work within a global





network comprising 39 centers, with our Corporate Research Centre in Milan acting as a hub to coordinate the activities of all the other centers and as a central analysis laboratory. The United States has four centers, and Canada has one. All equipped with cutting-edge equipment, the centers collaborate continuously with universities as well as scientific and industrial research institutes.

The research and development laboratories also provide support for our Technical Services Division to help provide solutions for even the most complex requests from our clients.

Working alongside these centers are our quality-control laboratories, which are present in all the MAPEI Group's production facilities.



BEST-BACKEDSM WARRANTY PROGRAM

To bring it all together, MAPEI complements the industry's best products with simple, easy-to-understand requirements for a variety of warranty options.



EXTERIOR

BELOW-GRADE WATERPROOFING

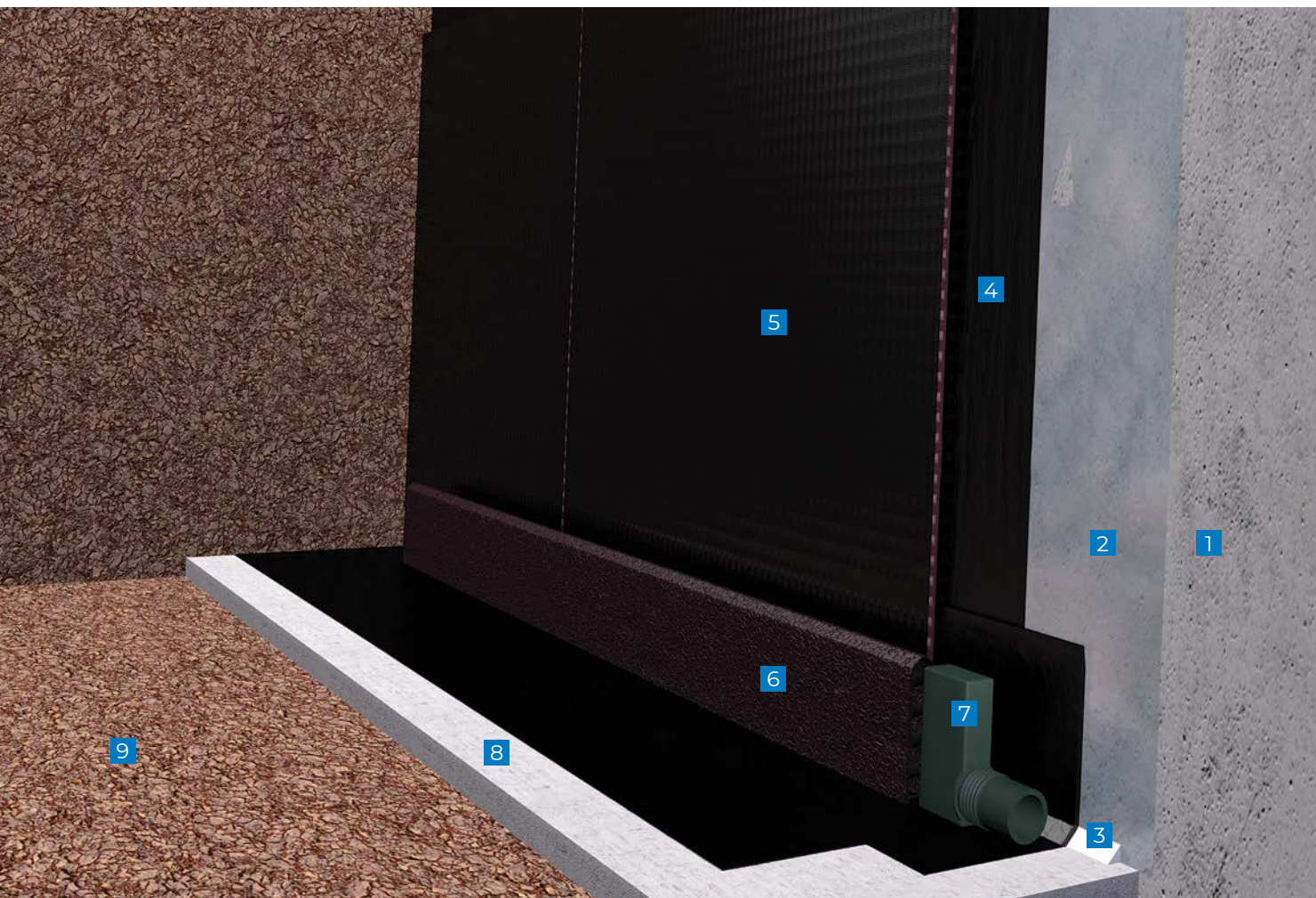
POSITIVE-SIDE CONSTRUCTION

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 *Planiseal Membrane SA* system, based on a self-adhered waterproofing membrane, is a simple and effective means of accomplishing this goal.

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

Solution: Positive-side waterproofing, through the MAPEI waterproofing system, to prevent water intrusion

- 1 Concrete
- 2 *Mapebond 710*
or *Mapebond 720*
- 3 *Mapectex P2 NS*
- 4 *Planiseal Membrane SA*
- 5 *Mapedrain 25*
- 6 *Mapedrain TD*
Drainage Composite
- 7 *Mapedrain TD Fittings*
(end outlet)
- 8 Concrete footing
- 9 Soil



EXTERIOR

EXTERIOR VENEER

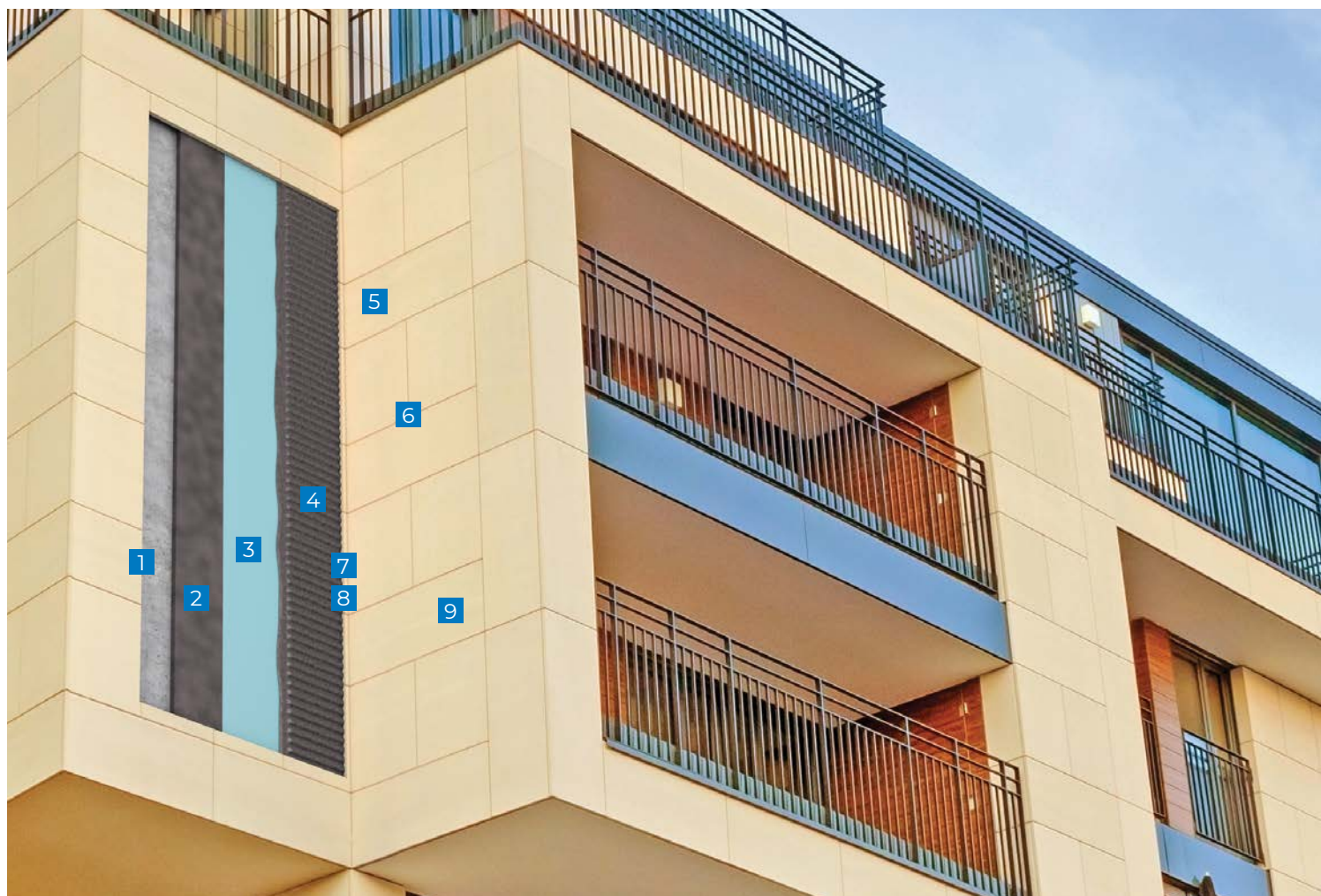
CERAMIC OR
STONE TILE

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 expansion joints

- 1 Concrete
- 2 *Planitop 330 Fast*
- 3 *Mapelastic AquaDefense*
- 4 *Granirapid System*
- 5 Ceramic or stone tile
- 6 *Ultracolor Plus FA*
- 7 *Mapesil T Plus*
- 8 *UltraCare Smooth Silicone*
- 9 *UltraCare Penetrating Plus Stone, Tile & Grout Sealer*



EXTERIOR

BALCONY FLOOR

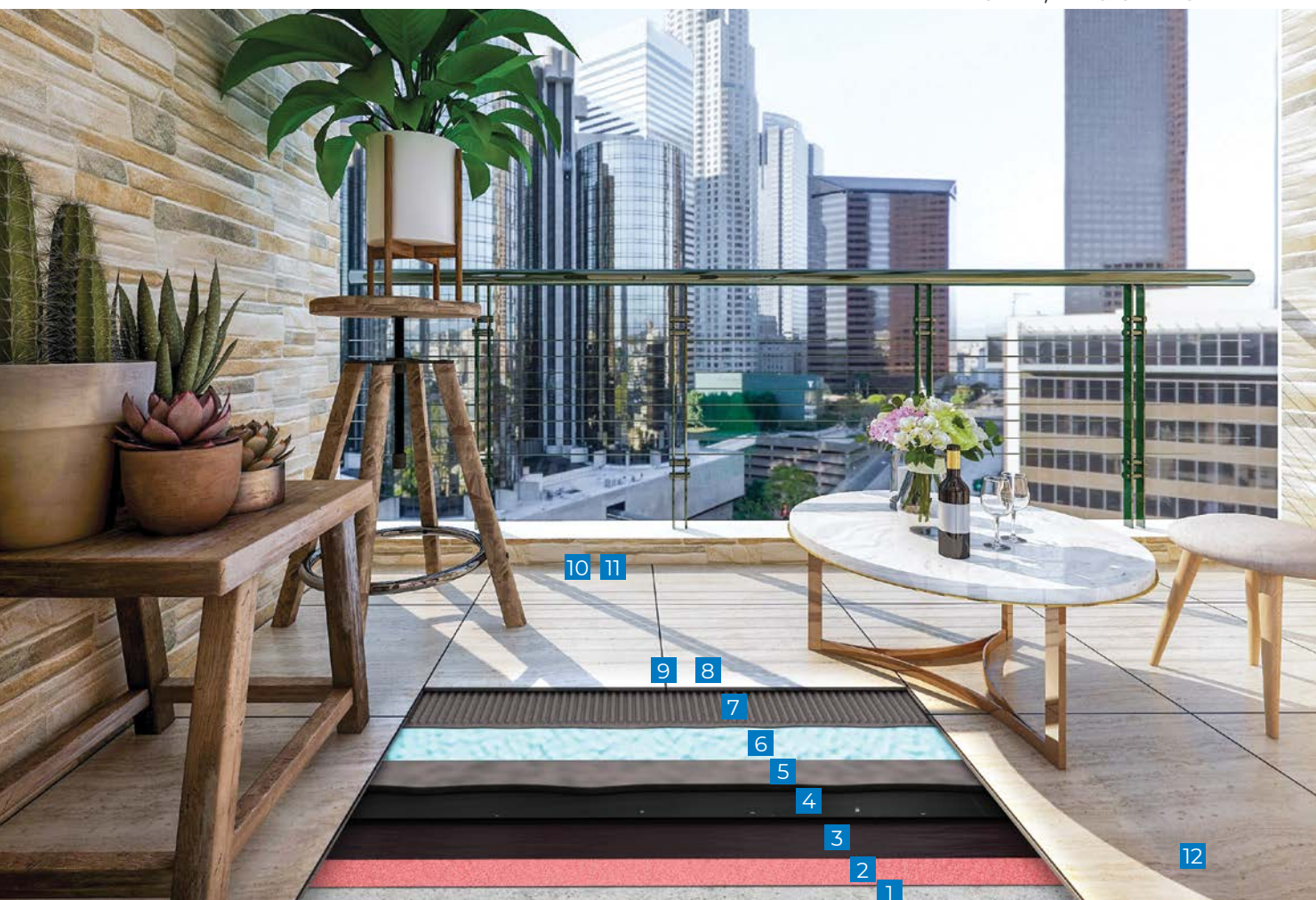
CERAMIC OR
STONE TILE

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 *Planiseal Membrane SA* waterproofing system topped with freeze/thaw-stable mortars and high-performance, efflorescence-resistant grouts. Best of all, this system qualifies 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, expansion joints and the *Planiseal Membrane SA* waterproofing system

- 1 Concrete
- 2 *Mapebond 710* or *Mapebond 720*
- 3 *Planiseal Membrane SA*
- 4 *Mapedrain 30* or *Mapedrain 50*
- 5 *Modified Mortar Bed*
- 6 *Mapelastic Turbo* with *Fiberglass Mesh* or *Mapelastic AquaDefense*
- 7 *Kerabond T / Keralastic System*, *Kerabond/Keralastic System* or *Granirapid System*
- 8 Ceramic or stone tile
- 9 *Ultracolor Plus FA* or *MAPEI Flexcolor CQ*
- 10 *Mapesil T Plus*
- 11 *UltraCare Smooth Silicone*
- 12 *UltraCare Penetrating Plus* Stone, Tile & Grout Sealer



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* or *Elastocolor Primer AR* and *Elastocolor Coat* are formulated as a system to waterproof, seal, protect and beautify.

- 1 *Mapeshield I*
- 2 *Planitop XS* or *Planitop 12 SR*
- 3 *Mapeflex PI FT*
- 4 *Elastocolor Primer WB* or *Elastocolor Primer AR*
- 5 *Elastocolor Coat*

EXTERIOR

BUILDING FACADE

PROTECTIVE
COATING



EXTERIOR

VALET/ TRANSPORTATION AREA

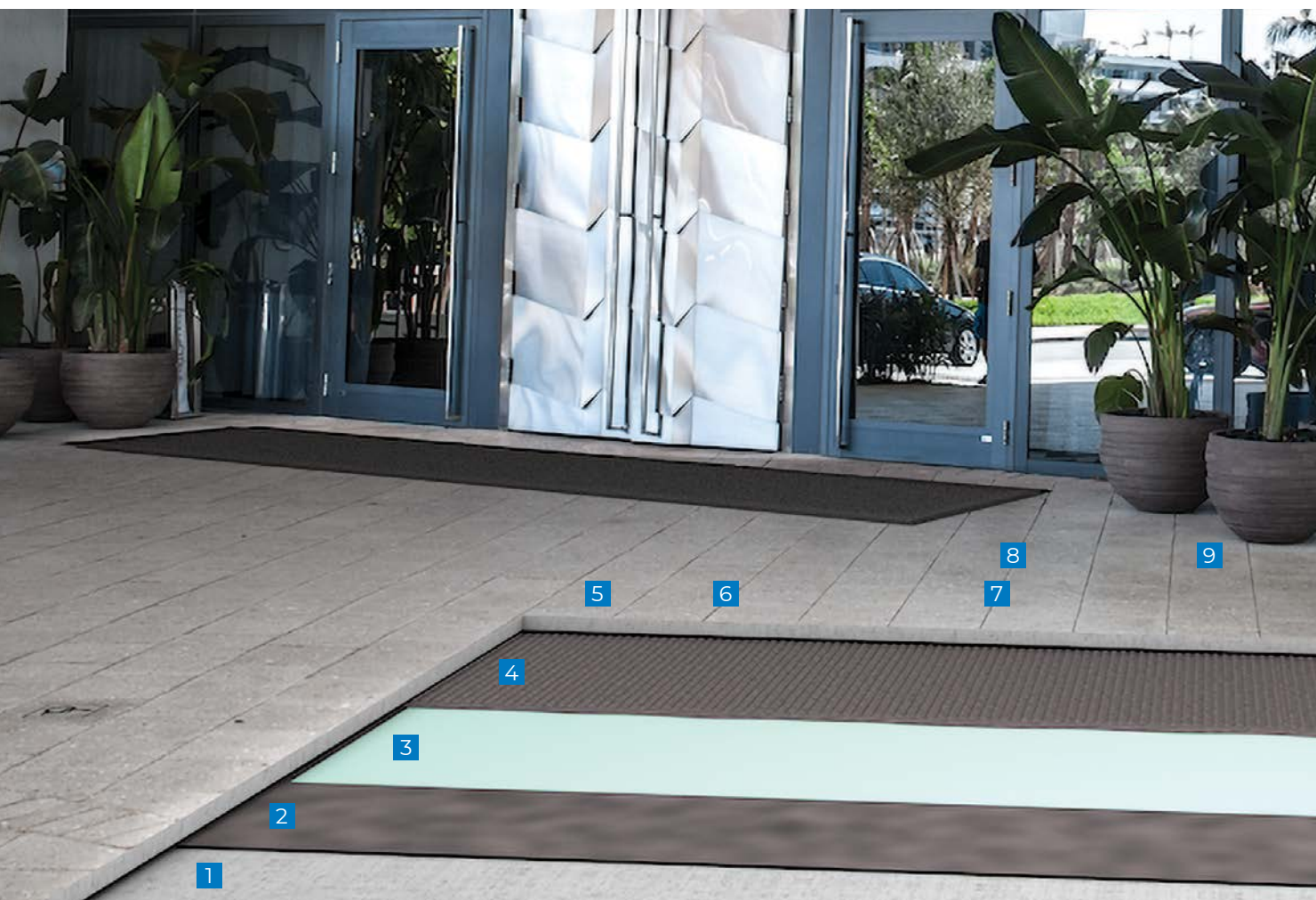
CERAMIC OR
STONE TILE

Valet and transportation areas are every potential resident's first impression of the building 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, expansion joints and installation materials that do not contribute to efflorescence

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



EXTERIOR

ROOF DECK

CERAMIC OR
STONE TILE

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 *Planiseal Membrane SA* 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, expansion joints and the *Planiseal Membrane SA* waterproofing system

- 1 *Mapebond 710* or *Mapebond 720*
- 2 *Planiseal Membrane SA*
- 3 *Mapedrain 30* or *Mapedrain 50*
- 4 *Modified Mortar Bed*
- 5 *Mapelastic Turbo* or *Mapelastic AquaDefense*
- 6 *Kerabond T / Keralastic System*, *Kerabond/Keralastic System* or *Granirapid System*
- 7 Ceramic or stone tile
- 8 *Ultracolor Plus FA*
- 9 *Mapesil T Plus*
- 10 *UltraCare Smooth Silicone*
- 11 *UltraCare Penetrating Plus Stone, Tile & Grout Sealer*



EXTERIOR

PARKING DECK

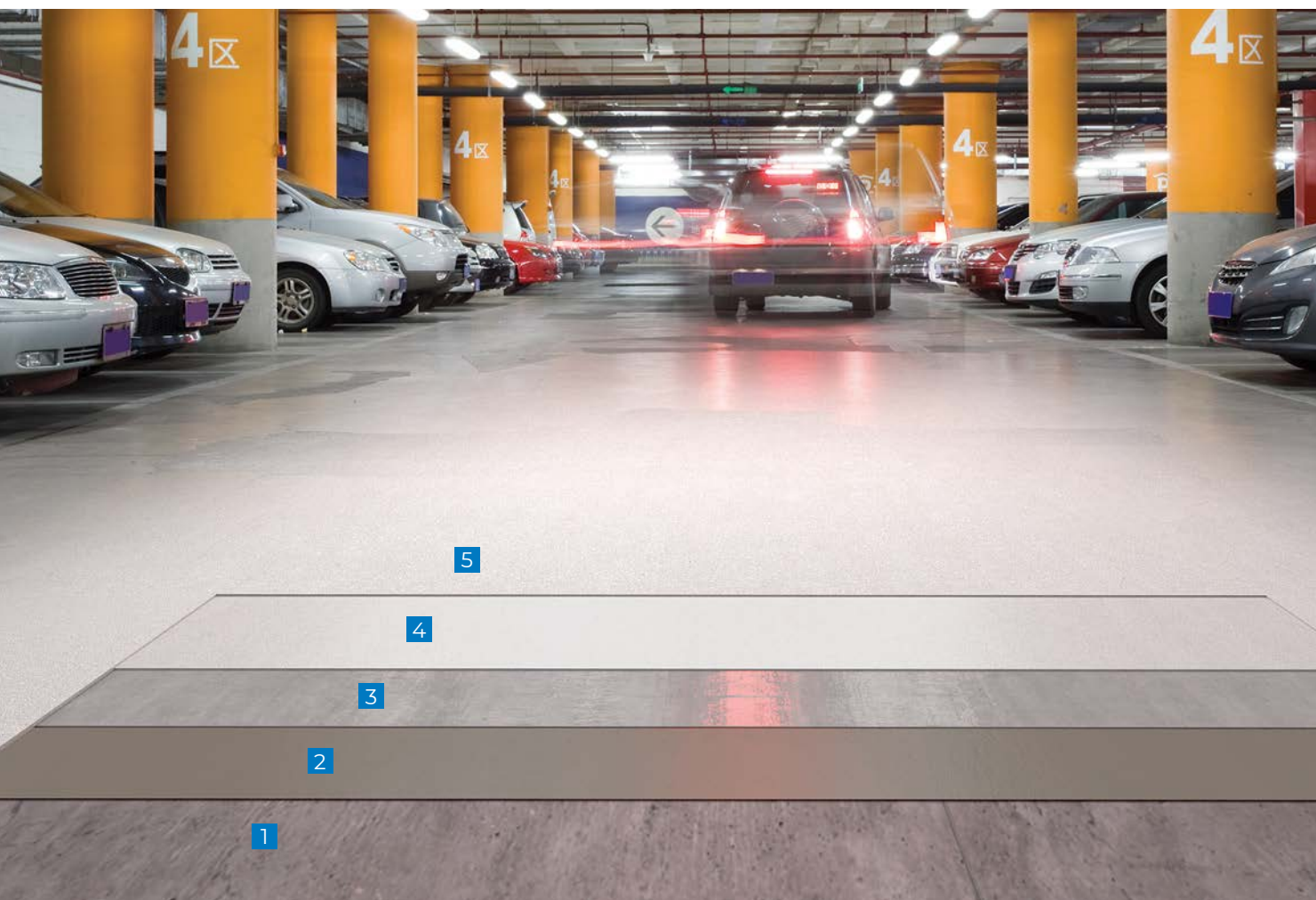
SYSTEM FOR
HEAVY-DUTY
VEHICULAR TRAFFIC

Parking decks and other exterior, pedestrian and vehicular traffic areas require rugged products developed specifically for the unique conditions that they experience. MAPEI's *Mapecfloor* 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* or *Mapecfloor PU Primer*
- 3 *Mapecfloor PU 400 FC*
- 4 *Mapecfloor Finish 415 NA* with sand broadcast (back-rolled)
- 5 *Mapecfloor Finish 450* with sand broadcast (back-rolled)



EXTERIOR

POOL DECK

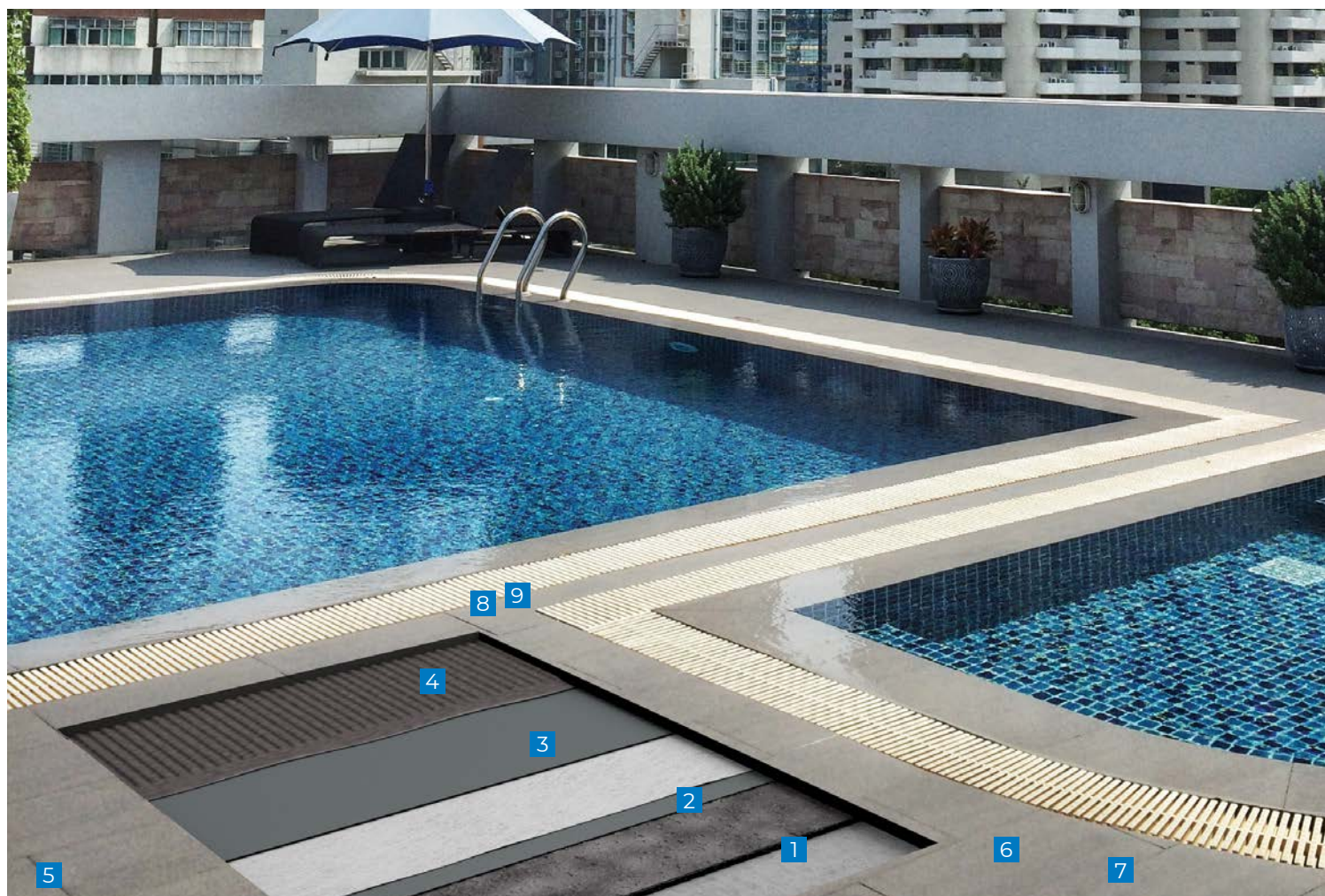
PORCELAIN TILE

Modern pool decks include design elements that bring a unique feeling of restfulness and relaxation. Designers must create an oasis while still ensuring that the waterproofing is sufficient to contain the water.

Issues: Pool chemicals; water migration; maintenance

Solutions: High-performing, flexible mortars and chemical-resistant grouts

- 1 Concrete
- 2 *Modified Mortar Bed* with slurry coat
- 3 *Mapelastic Turbo* with *Reinforcing Fabric*
- 4 *Kerabond T / Keralastic System*
- 5 *UltraCare Grout Release*
- 6 Porcelain tile
- 7 *Kerapoxy CQ*
- 8 *Mapesil T Plus*
- 9 *UltraCare Smooth Silicone*



EXTERIOR

POOL

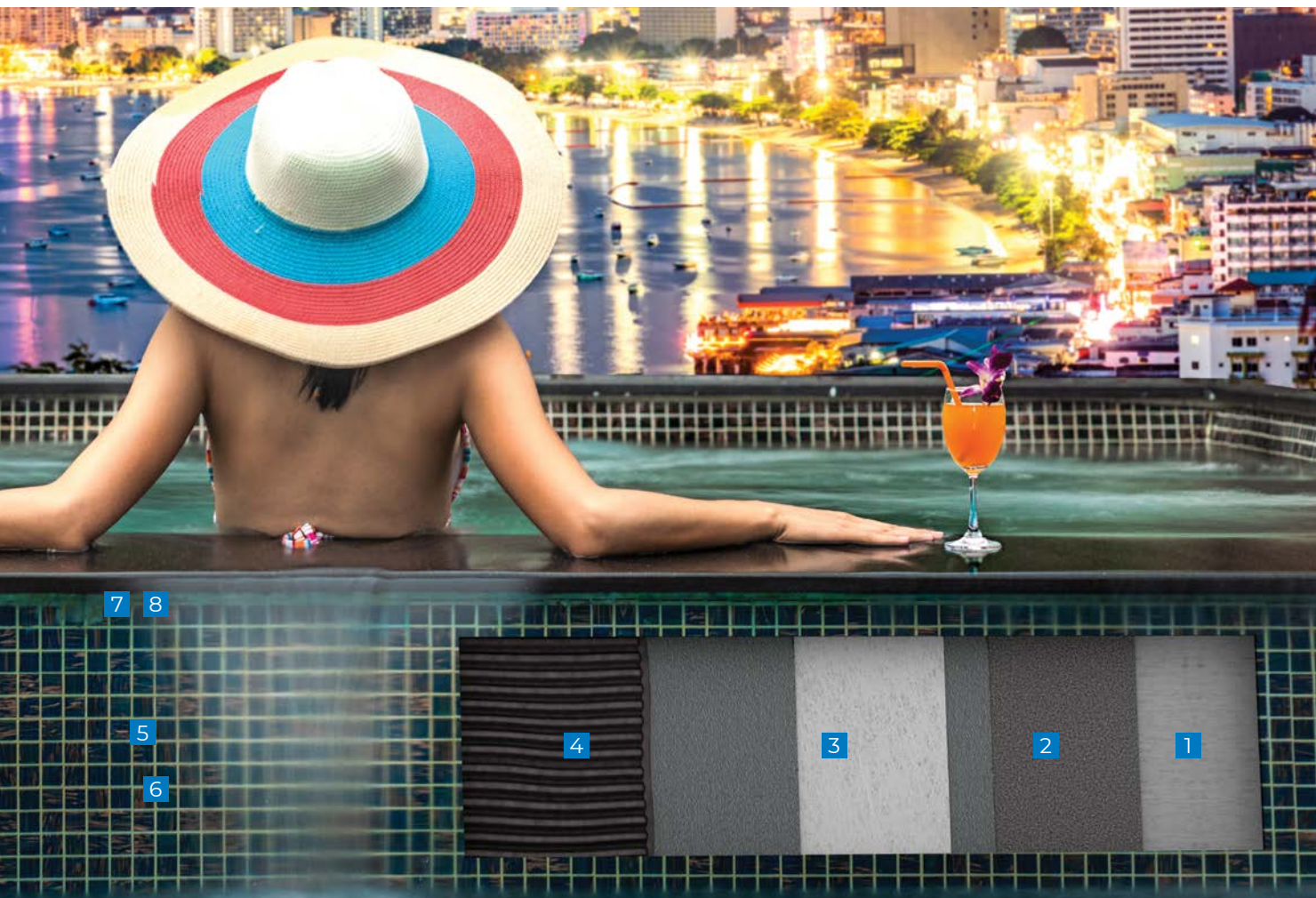
GLASS TILE

Pool tile is often glass, in many sizes that can be used for accent strips, as step markers or even to cover the entire pool. Trim tiles are used on infinity edges and more.

Issues: Water migration, pool chemicals, efflorescence

Solution: Versatile, high-performance tile setting products that allow water submersion and do not contribute efflorescence

- 1 Concrete
- 2 *Planitop 330 Fast*
- 3 *Mapelastic Turbo* with *Reinforcing Fabric*
- 4 *Granirapid System* or *Adesilex P10 Mosaic & Glass Tile* mixed with *Keraply*
- 5 Pool tile
- 6 *Keracolor U Unsanded Grout* or *Ultracolor Plus FA*
- 7 *Mapesil T Plus*
- 8 *UltraCare Smooth Silicone*



INTERIOR

LOBBY AND HALLWAY FLOORS

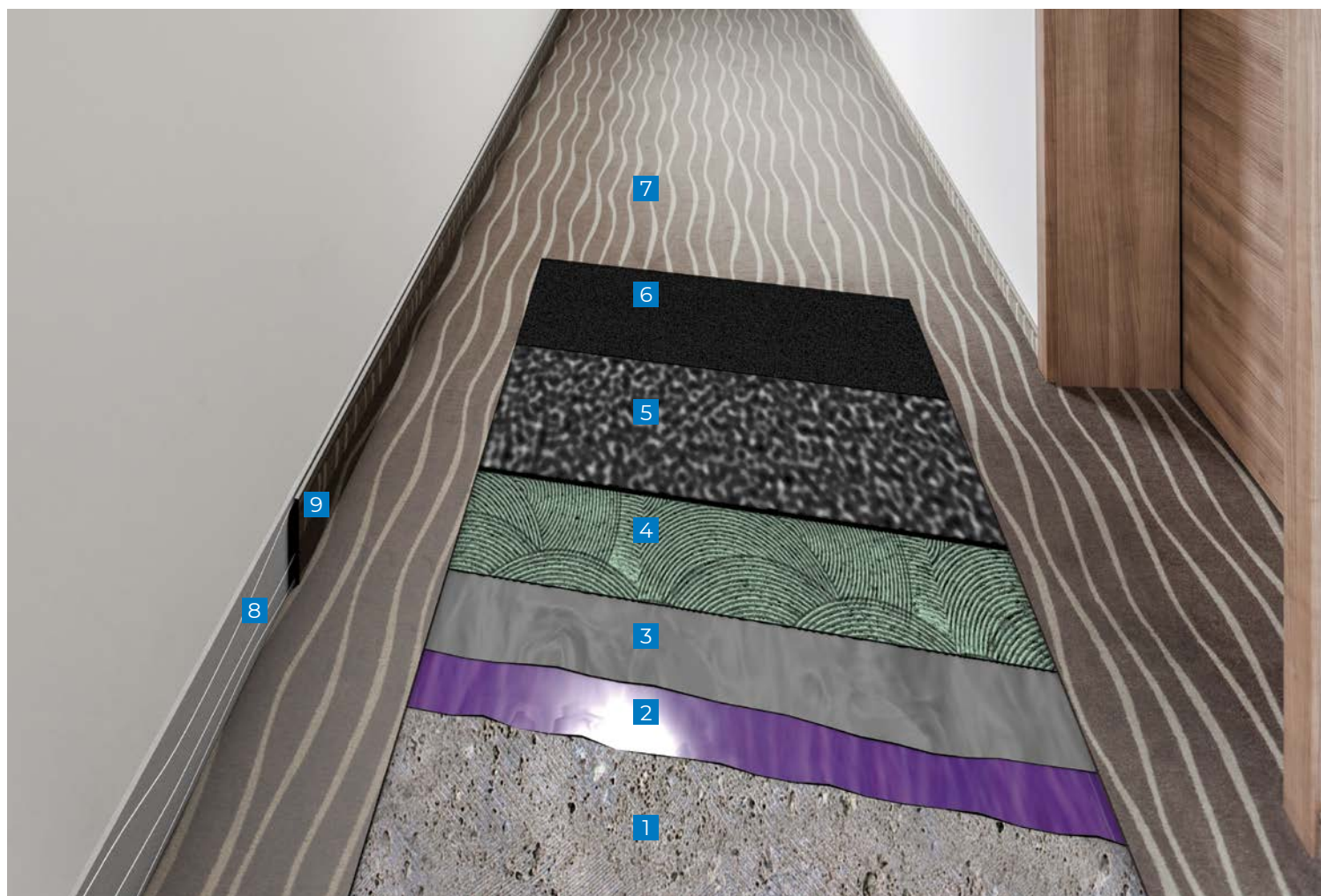
DOUBLE-STICK BROADLOOM CARPET

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

Issues: Aesthetics; durability; odor; frequent updating

Solutions: High-quality, low-VOC adhesive; single-source products; a complete system from self-leveling to sound control

- 1 Concrete
- 2 *Primer T*
- 3 *Novoplan HFL*
- 4 Pad to substrate:
Ultrabond ECO 811 or
Ultrabond ECO 220
- 5 Carpet pad
- 6 *Ultrabond ECO 220*
- 7 Carpet
- 8 *Ultrabond ECO 575*
- 9 Wall base



INTERIOR

RETAIL SPACE FLOOR

CARPET TILE

Carpet tile is a popular floor covering for first-floor areas such as computer rooms in addition to gift, sandwich and coffee shops. Damaged areas of flooring can be replaced without changing the entire installation.

Issues: Aesthetics; durability; low VOCs; frequent updating

Solution: High-quality, releasable adhesive; single-source system of products

- 1 Concrete
- 2 *Planiprep PSC*
- 3 *Ultrabond ECO 811*
- 4 Carpet tile with PVC (vinyl), non-PVC, polyolefin, felt or bitumen backing



INTERIOR

SNACK BAR

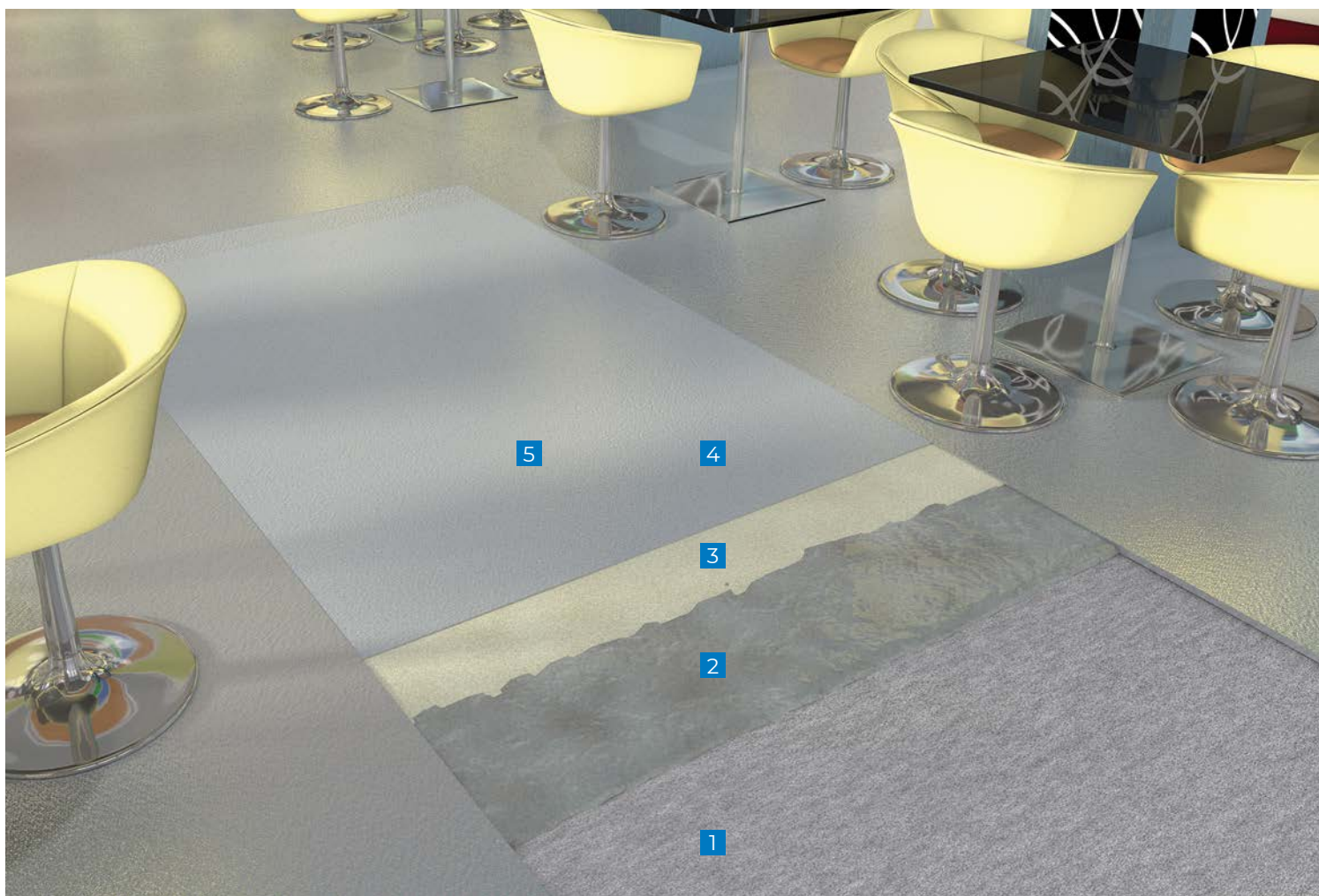
POLISHED
AND/OR SEALED
CEMENTITIOUS
TOPPING

Concrete flooring is a trendy choice, but not all existing substrates are up to the task of being attractive and durable. Enter *Ultratop*, MAPEI's fast-track solution for creating a beautiful floor. Natural gray *Ultratop* is also available in white, which allows the floor to be your canvas for a variety of coloring options. Plus, there is a version that can be polished.

Issues: Need for an aesthetic and functional upgrade of existing substrates, especially in high-traffic areas

Solution: *Ultratop* is specifically designed to create attractive floors that offer more than 6,000 psi (41.4 MPa) of compressive strength when fully cured.

- 1 Concrete
- 2 *Primer SN*
- 3 Sand broadcast with *MAPEI Quartz*
- 4 *Ultratop* or *Ultratop SP*
- 5 *Mapecolor Finish 630*, *Mapecolor Finish 59 W TRP* or *Mapecrete Protector FF*



INTERIOR

LIVING SPACE FLOOR

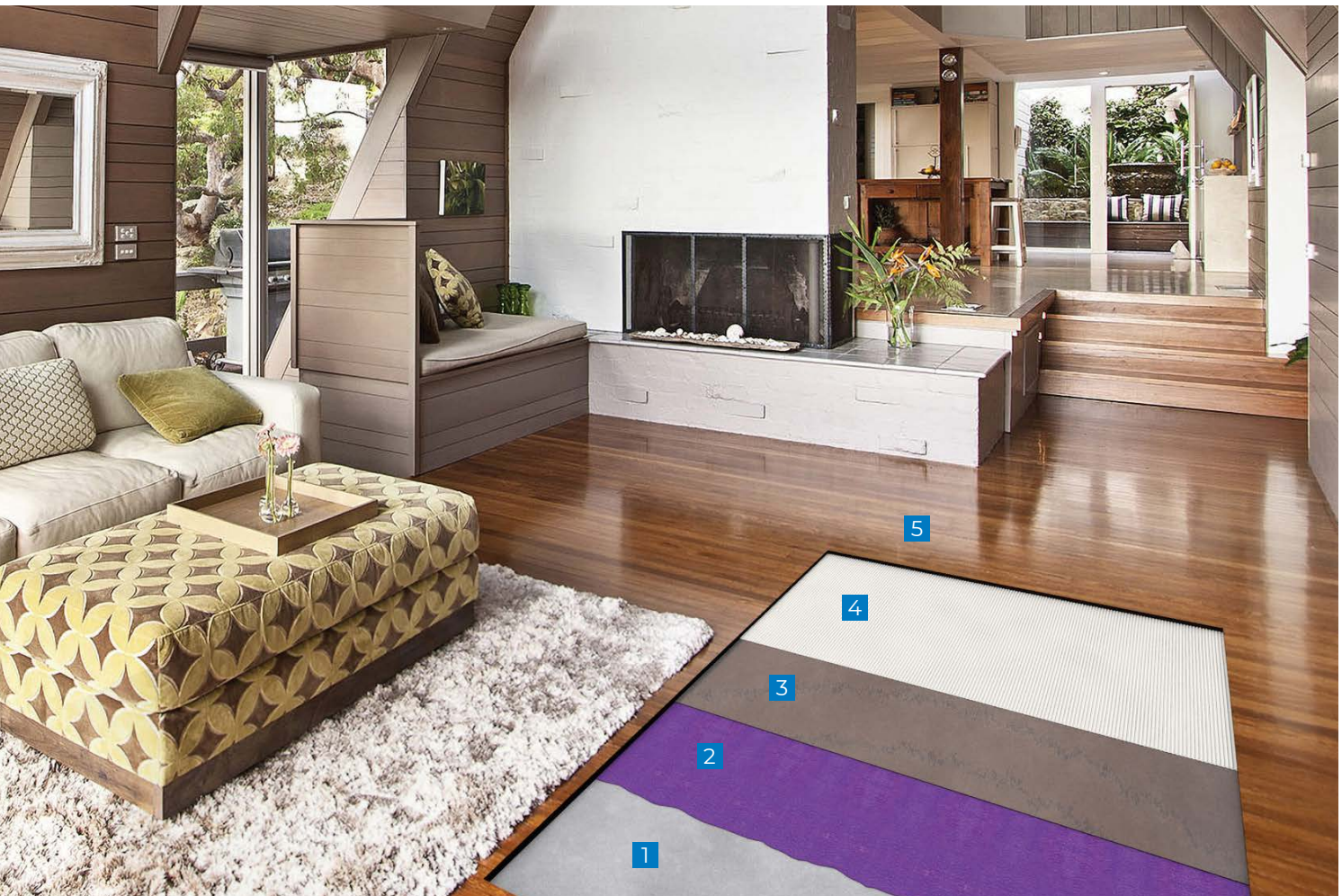
WOOD FLOORING
WITH SOUND
REDUCTION OVER
CONCRETE

Wood can now be considered in many areas, and the choice of how to incorporate it with confidence is easier than ever. From the surface preparation to the finished flooring, MAPEI has it covered.

Issues: Aesthetics; noise transfer; low VOCs; moisture from new concrete

Solution: Moisture-resistant, self-leveling underlayment combined with moisture-controlling adhesive that helps with sound reduction

- 1 Concrete
- 2 *Primer T*
- 3 *Ultraplan Extreme 2*
- 4 *Ultrabond ECO 985* or *Ultrabond ECO 987*
- 5 Bamboo flooring, engineered wood flooring or solid wood flooring



INTERIOR

LIVING SPACE FLOOR

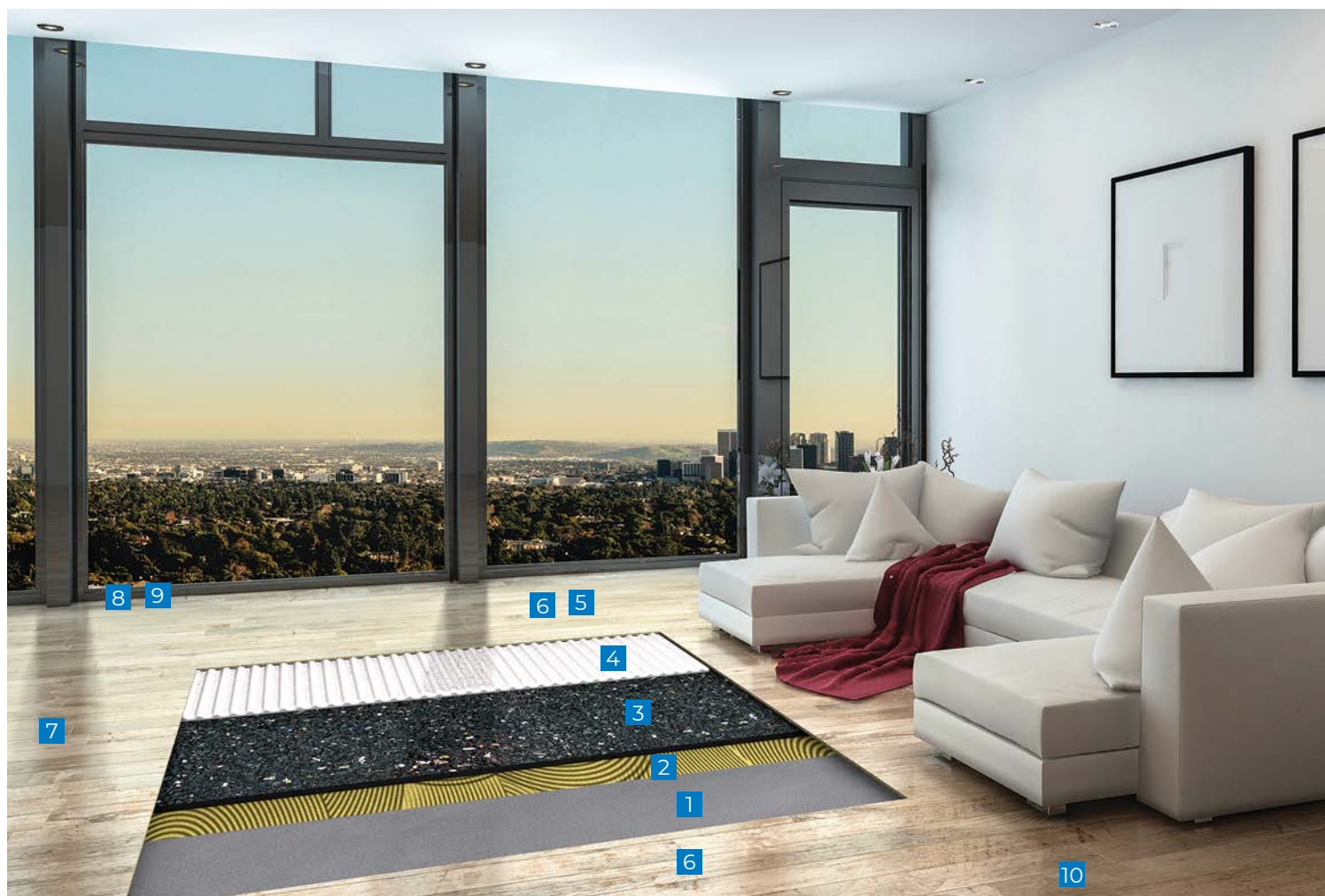
WOOD-LOOK
TILE AND
SOUNDPROOFING
OVER CONCRETE

Living areas must combine beauty, durability and utility. A multitude of surface coverings are available to obtain this level of performance and aesthetics, including tile that looks like wood. Wood-look tile is available in natural wood-grain patterns and many colors to look as if they are stained, aged or white-washed. Porcelain and ceramic plank tiles range from narrow to large-format.

Issues: Aesthetics; durability; efflorescence; sound control

Solutions: A complete system of self-leveling (if needed), sound-reduction product, large-format-tile mortar and efflorescence-free grout

- 1 Concrete
- 2 *Ultrabond ECO 420*
- 3 *Mapesonic RM 5*
- 4 *Keraflex Membrane Mortar*
- 5 *UltraCare Grout Release*
- 6 Wood-look porcelain tile
- 7 *Ultracolor Plus FA*
- 8 *Mapesil T Plus*
- 9 *UltraCare Smooth Silicone*
- 10 *UltraCare Penetrating Plus Stone, Tile & Grout Sealer*



INTERIOR

LIVING SPACE FLOOR

LUXURY VINYL PLANK AND SOUNDPROOFING

Luxury vinyl plank (LVP) and luxury vinyl tiles (LVT) are increasingly used in bedrooms as low-maintenance alternatives to carpet. New flooring closely mimics the appearance of wood, stone and tile. As a bonus, damaged areas can be quickly and inexpensively replaced.

Issues: Noise transfer; ease of maintenance

Solution: Smooth skimcoating compounds; membranes for sound control; high-quality adhesives

- 1 Concrete
- 2 *Planiprep SC*
- 3 *MAPEI SM Primer Fast*
- 4 *Mapesonic 2*
- 5 *Ultrabond ECO 360*
or *Ultrabond ECO 373*
- 6 LVP
- 7 *Ultrabond ECO 575*
- 8 Vinyl or rubber cove base



INTERIOR

BEDROOM FLOOR

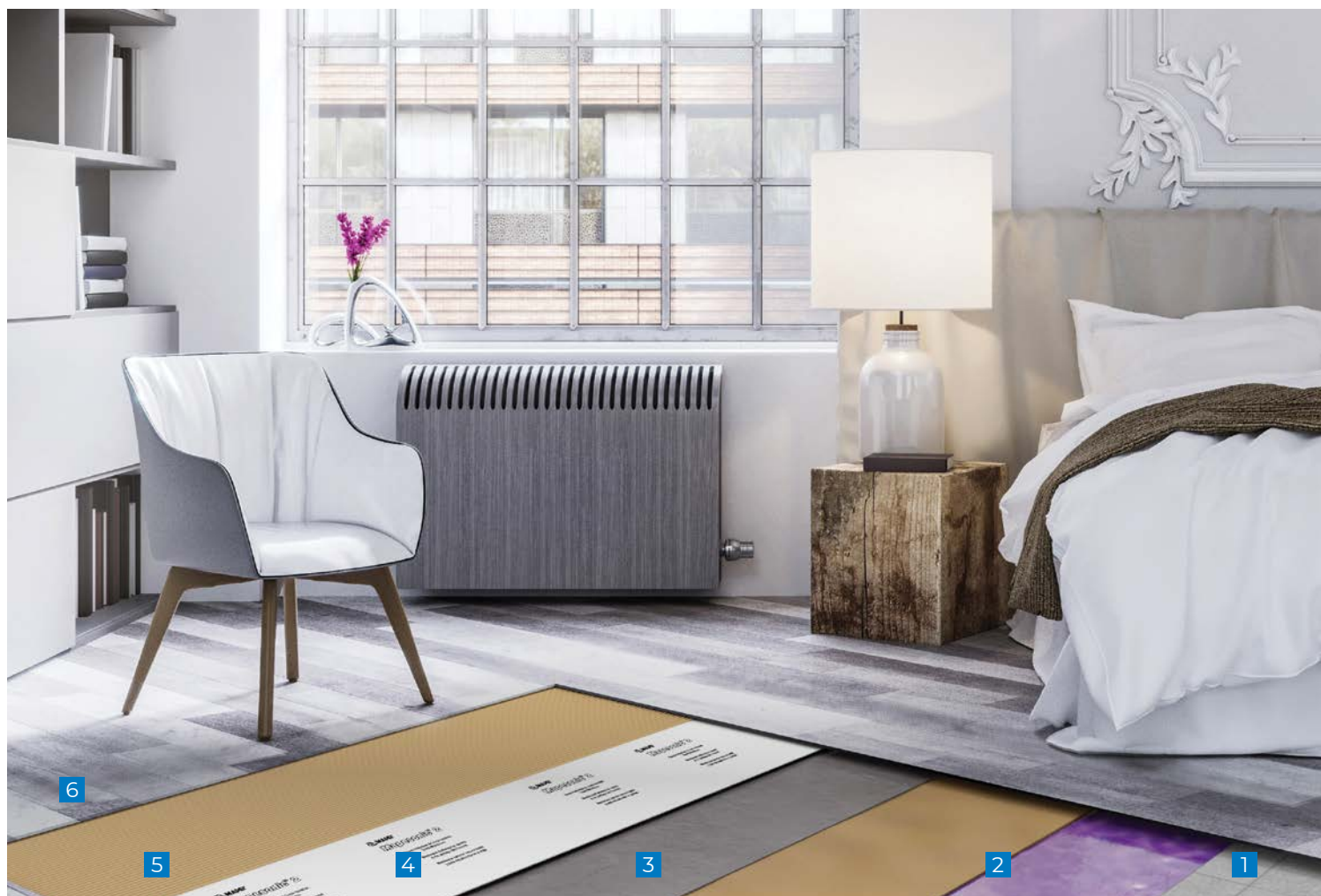
WOOD
FLOORING AND
SOUNDPROOFING

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 and adhesives. MAPEI makes low-VOC products to protect wood from moisture and adhere it to the substrate. MAPEI can also offer solutions to cut down on noise transmitted through floors.

Issues: Foot traffic; sound transmission; potential high VOCs

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

- 1 Concrete
- 2 *Primer T* with *Ultraplan Easy* (if self-leveling is needed)
- 3 *MAPEI SM Primer Fast*
- 4 *Mapesonic 2*
- 5 *Ultrabond ECO 980*
- 6 Engineered wood flooring or solid wood flooring



INTERIOR

BEDROOM FLOOR

STRETCH-IN
BROADLOOM CARPET

The warm, snug comfort of a bedroom is enhanced by wall-to-wall carpeting. Bumps, bunching and adhesive odor are eliminated by using a MAPEI system of products to produce a flat floor and secure bond without affecting the health and well-being of the occupants.

Issues: Floor flatness; potential VOCs

Solution: A skimcoating compound to smooth irregularities; low-odor, water-based adhesives

- 1 Concrete
- 2 *Planiprep SC*
- 3 *Ultrabond ECO 3185*
(for pad-to-substrate bond)
- 4 Carpet pad
- 5 Stretch-in carpet



Backsplashes provide the opportunity to personalize a kitchen and complement other surfaces. But backsplashes must be durable enough to hold up to ordinary spills, splashes and cleaning routines.

Issues: Discoloration; staining; scratching of glass tile

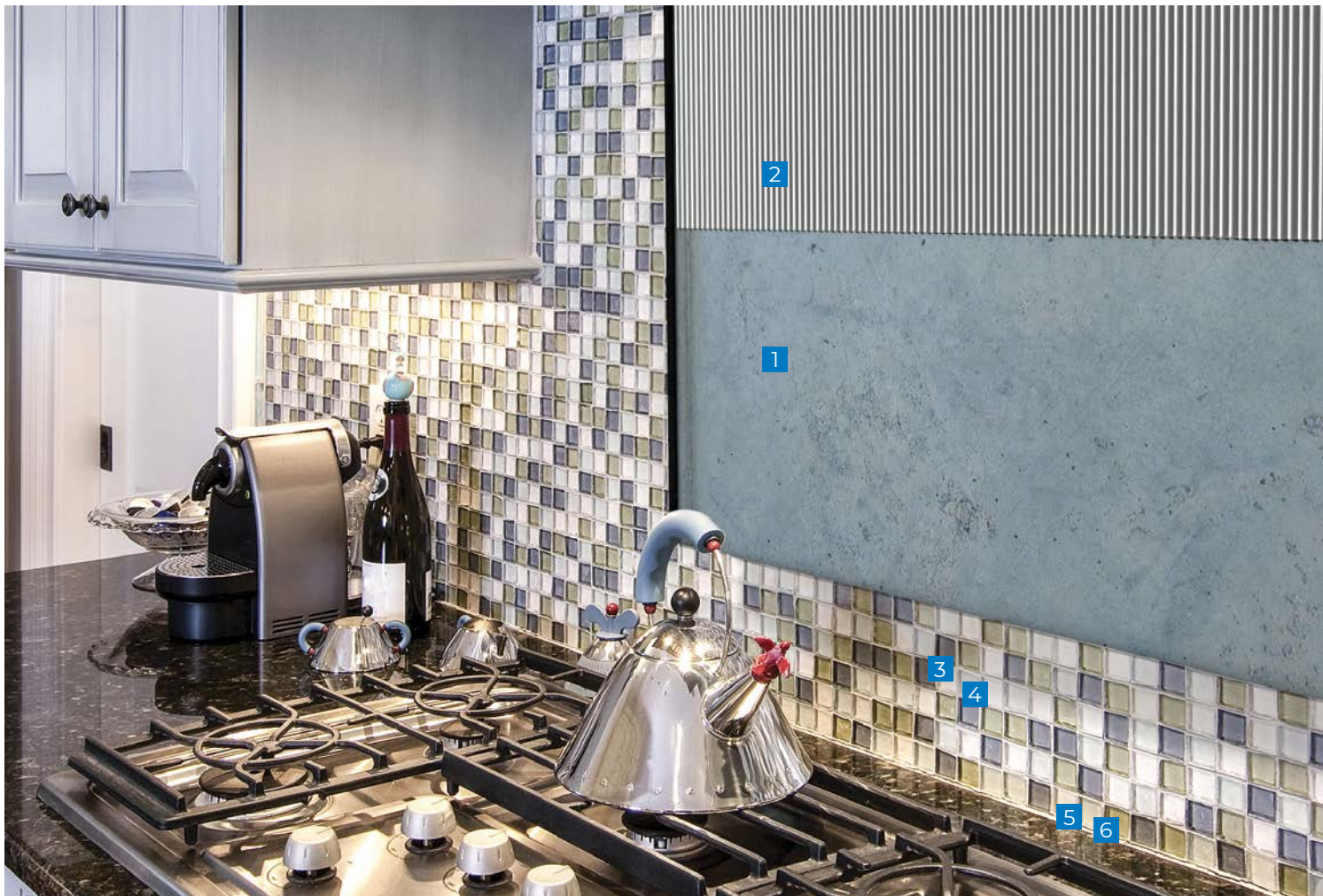
Solutions: White mortar; stain-resistant grout or grout additive that enhances stain and chemical resistance

- 1 Cement board
- 2 *Adesilex P10*
- 3 Glass tile mosaic
- 4 *MAPEI Flexcolor 3D* or *Keracolor U Unsanded Grout* mixed with *UltraCare Grout Maximizer*
- 5 *Mapesil T Plus*
- 6 *UltraCare Smooth Silicone*

INTERIOR

KITCHEN WALL

GLASS TILE
BACKSPLASH



INTERIOR

KITCHEN WALL

MARBLE TILE BACKSPLASH

Superior materials equal added value. When selecting a fashionable surface such as natural stone, treat it correctly by using a non-scratch grout and a sealer to protect your investment.

Issues: Scratching; staining

Solutions: Unsanded grout; tile and grout sealer

- 1 Gypsum wallboard
- 2 *ECO Prim Grip*
- 3 *MAPEI Ultralite Mortar* – White
- 4 Marble tile
- 5 *Keracolor U Unsanded Grout*
- 6 *Mapesil T Plus*
- 7 *UltraCare Smooth Silicone*
- 8 *UltraCare Penetrating Plus* Stone, Tile & Grout Sealer



INTERIOR

BATHROOM FLOOR

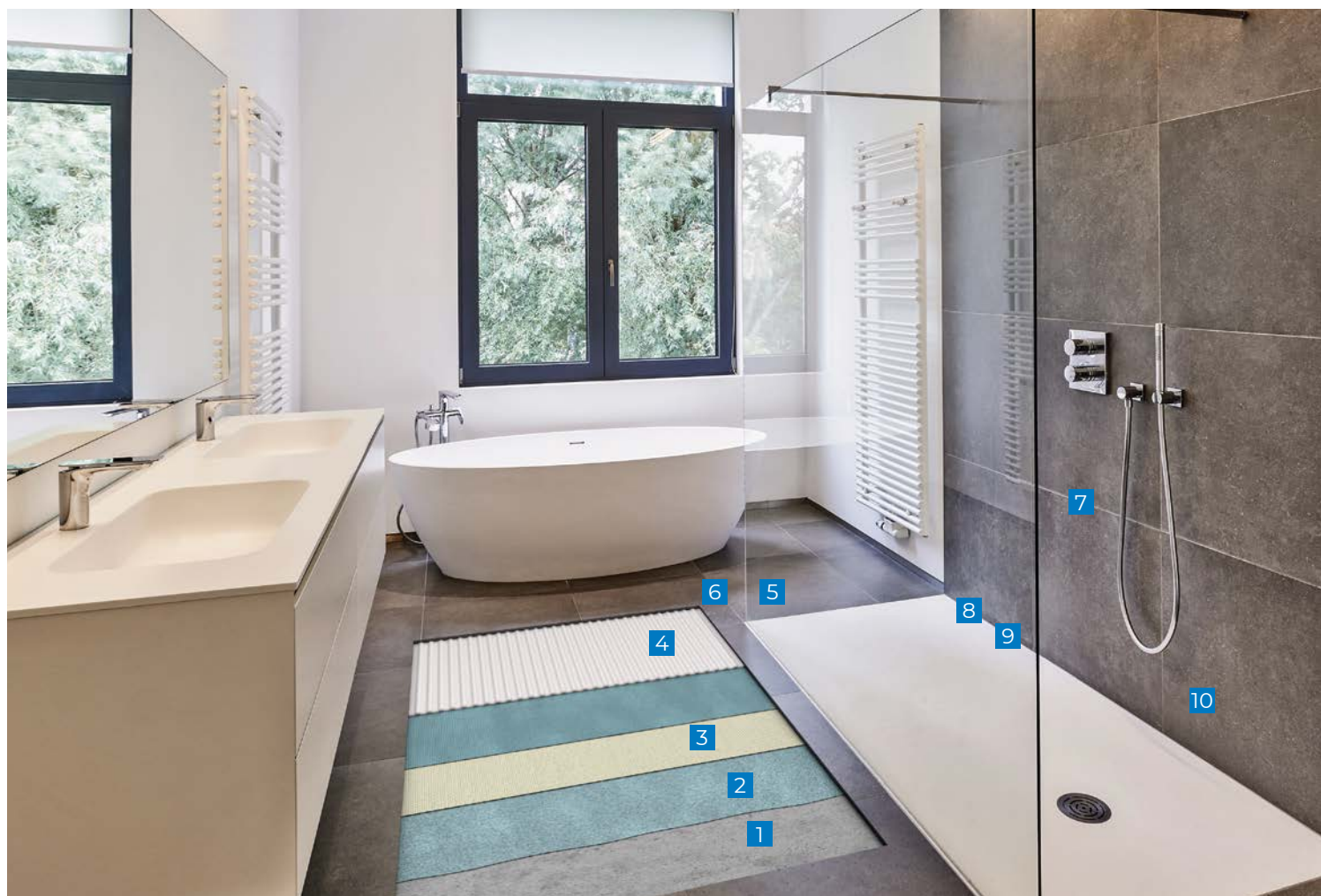
PORCELAIN TILE AND WATERPROOFING

Porcelain tile is made from natural ingredients and is easy to keep clean. Both attributes are huge benefits for a bathroom floor. When allergies are a concern, turn to tile to steer clear of many of the conditions and contaminants that are found in soft surfaces.

Issues: Moisture; maintenance

Solutions: Water-resistance; color consistency; easy to clean

- 1 Concrete
- 2 *Mapelastic AquaDefense*
- 3 *Reinforcing Fabric*
(with second coat of *Mapelastic AquaDefense*)
- 4 *Keraflex Super*
- 5 Porcelain tile
- 6 *UltraCare Grout Release*
- 7 *MAPEI Flexcolor CQ*
- 8 *Mapesil T Plus*
- 9 *UltraCare Smooth Silicone*
- 10 *UltraCare Penetrating Plus*
Stone, Tile & Grout Sealer



INTERIOR

LAUNDRY ROOM FLOOR

RESILIENT FLOORING AND WATERPROOFING, WITH INTERMITTENT WATER EXPOSURE

Resilient flooring for occasionally wet areas like laundry rooms has come a long way. It's not like the old-fashioned, thin, brittle sheet vinyl and self-stick tile. Sheet vinyl now comes in a large variety of styles, including patterns that look like wood, stone and ceramic tile. Sheet vinyl with fiberglass backing can be installed using a loose-lay, modified loose-lay (tape under seams) or full-spread method.

Issues: Spills; topical moisture; heavy use

Solutions: Water-resistant membranes; high-performing adhesives

- 1 Concrete
- 2 *Mapelastic AquaDefense*
- 3 *Planiprep PSC*
- 4 *Ultrabond ECO 307* or *Ultrabond ECO 399*
- 5 Fiberglass-reinforced sheet vinyl
- 6 *Ultrabond ECO 575*
- 7 Cove base



Custom materials in a small space provide a custom look for a reasonable cost. Utilizing the right installation products will help to protect that investment for years to come.

Issues: Scratching; aesthetics

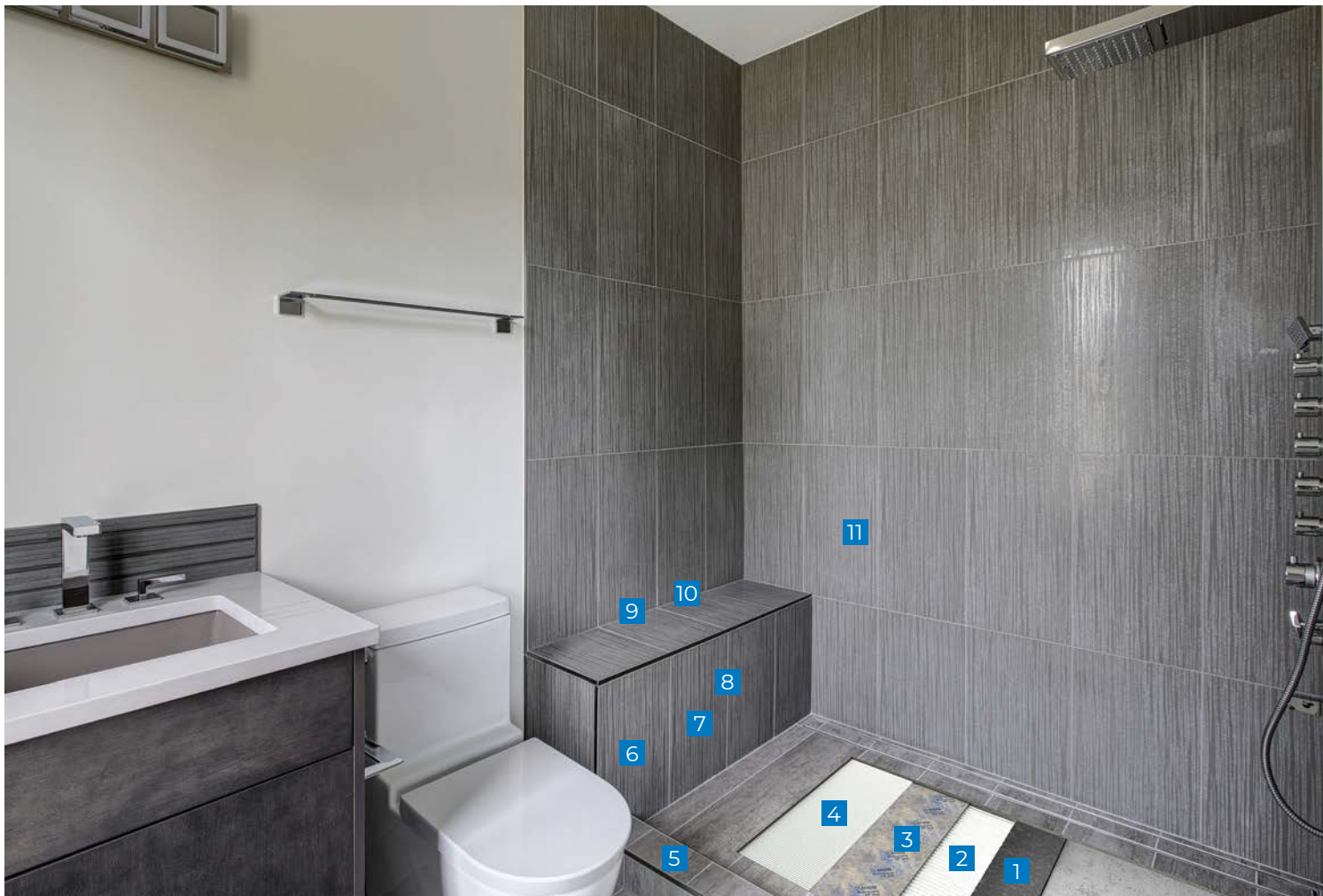
Solutions: Unsanded grout in wide range of colors

- 1 *4 to 1 Mud Bed Mix* or *Planislope RS* for sloping
- 2 *Keraflex Membrane Mortar*
- 3 *Mapeguard WP 200* and *Mapeguard WP ST*
- 4 *Keraflex Membrane Mortar*
- 5 *Mapeguard Pre-Formed Curb*
- 6 *Mapeguard Pre-Formed Bench*
- 7 Marble tile
- 8 *Keracolor U Unsanded Grout*
- 9 *Mapesil T Plus*
- 10 *UltraCare Smooth Silicone*
- 11 *UltraCare Penetrating Stone, Tile & Grout Sealer*

INTERIOR

SHOWER FLOOR

NATURAL STONE



INTERIOR

SHOWER WALLS

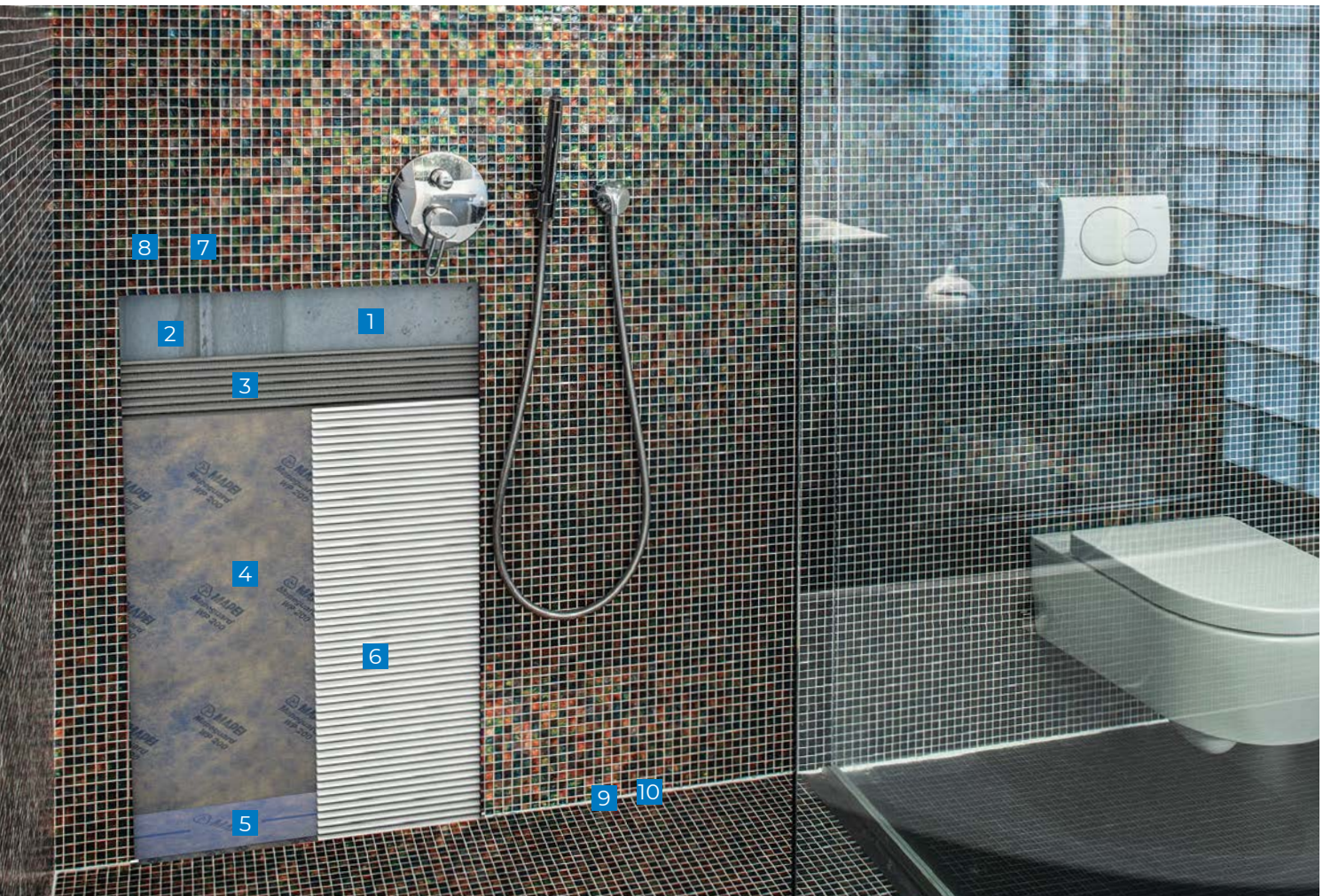
MOSAIC TILE

Tub and shower surrounds have long since graduated from 3" x 3" (7.5 x 7.5 cm) ceramic tile and pre-fabricated pieces. Mosaic wall tile is available in mesh-backed marble, natural-stone pebbles, tumbled travertine, glass tile, and even mixed-media combinations of these materials.

Issues: Mixed-media installations; moisture; staining

Solutions: Waterproofing membrane; mixed-media-ready grout

- 1 Cement board
- 2 *Planitop 330 Fast*
- 3 *MAPEI Ultralite Mortar*
- 4 *Mapeguard WP 200*
- 5 *Mapeguard WP ST*
- 6 *MAPEI Ultralite Mortar*
- 7 Mosaic tile
- 8 *MAPEI Flexcolor CQ*
or *MAPEI Flexcolor 3D*
- 9 *Mapesil T Plus*
- 10 *UltraCare Smooth Silicone*



Elevator cabs can be a challenging application, especially for hard surfaces like tile. A major concern is minimizing or isolating deflection from the floor system to keep tiles and grout from cracking. A MAPEI crack-isolation membrane provides a long-lasting but cost-effective solution to tiled elevator cabs.

Issues: Flexibility; pivot area; high traffic

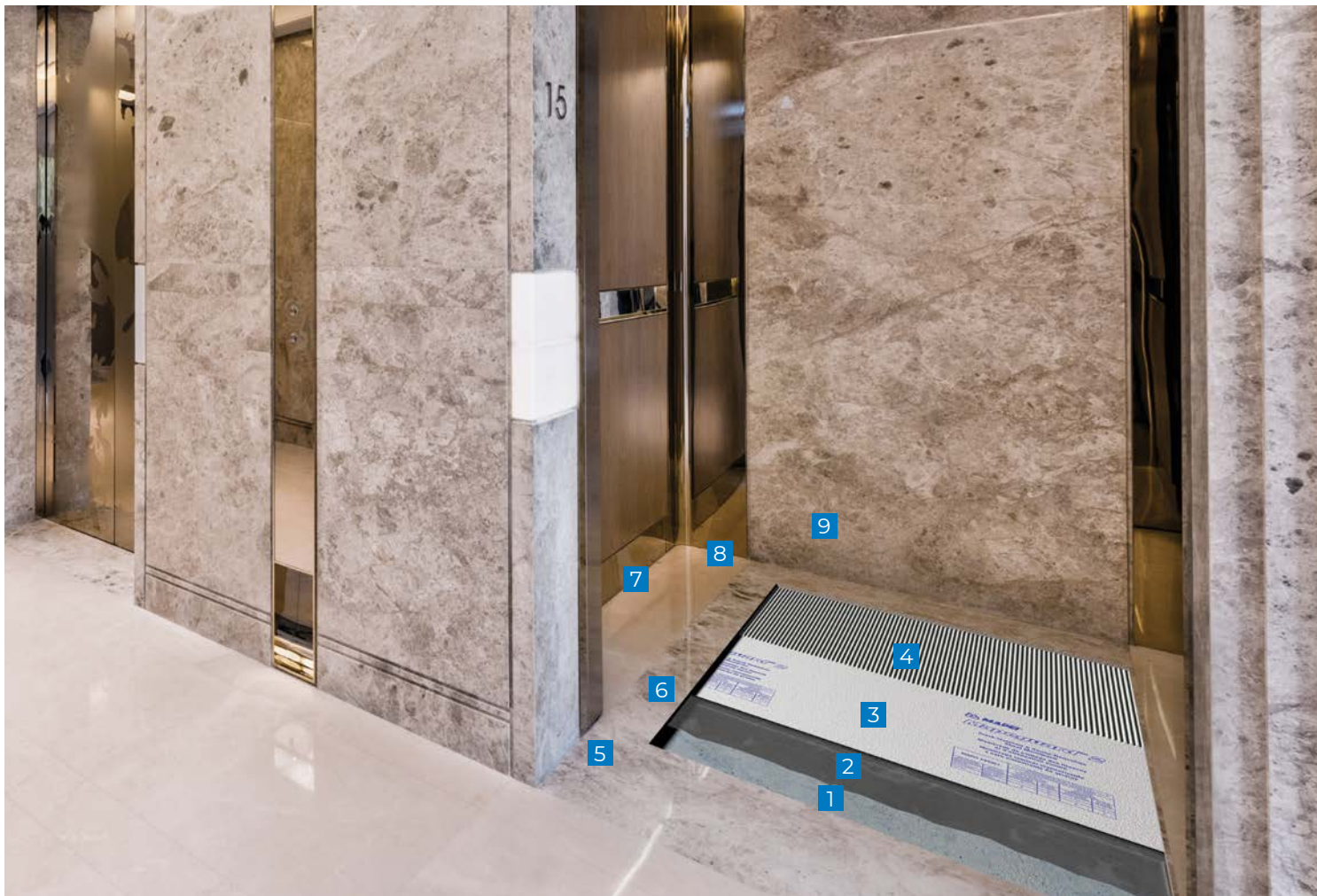
Solutions: Multiple methods are available. MAPEI's Technical Services Product Support Team advises designers in selecting the right products for high-traffic, specialty areas.

- 1 Plywood or backerboard
- 2 *MAPEI SM Primer Fast*
- 3 *Mapeguard 2*
- 4 *Granirapid System*
- 5 Granite tile
- 6 *Kerapoxy CQ*
- 7 *Mapesil T Plus*
- 8 *UltraCare Smooth Silicone*
- 9 *UltraCare Penetrating Plus Stone, Tile & Grout Sealer*

INTERIOR

ELEVATOR CAB FLOOR

GRANITE TILE



INTERIOR

ELEVATOR CAB FLOOR

LUXURY
VINYL TILE

Luxury vinyl tile (LVT) is a versatile solution for almost any application. In an elevator, it will stand up to everyday use while making the space more welcoming.

Issues: Unique substrate; public access; durability

Solution: An adhesive with low volatile organic compounds (VOCs) that is also designed to aggressively adhere to such substrates as properly prepared metal

- 1 Steel
- 2 *Ultradond G21*
- 3 LVT



Issues: High profile; high traffic

- 1 Concrete
- 2 *Primer T*
- 3 *Novoplan HFL*
- 4 *Ultrabond ECO 399*
- 5 LVP

FOYER

LUXURY
VINYL PLANK



INTERIOR

RECEPTION HALL

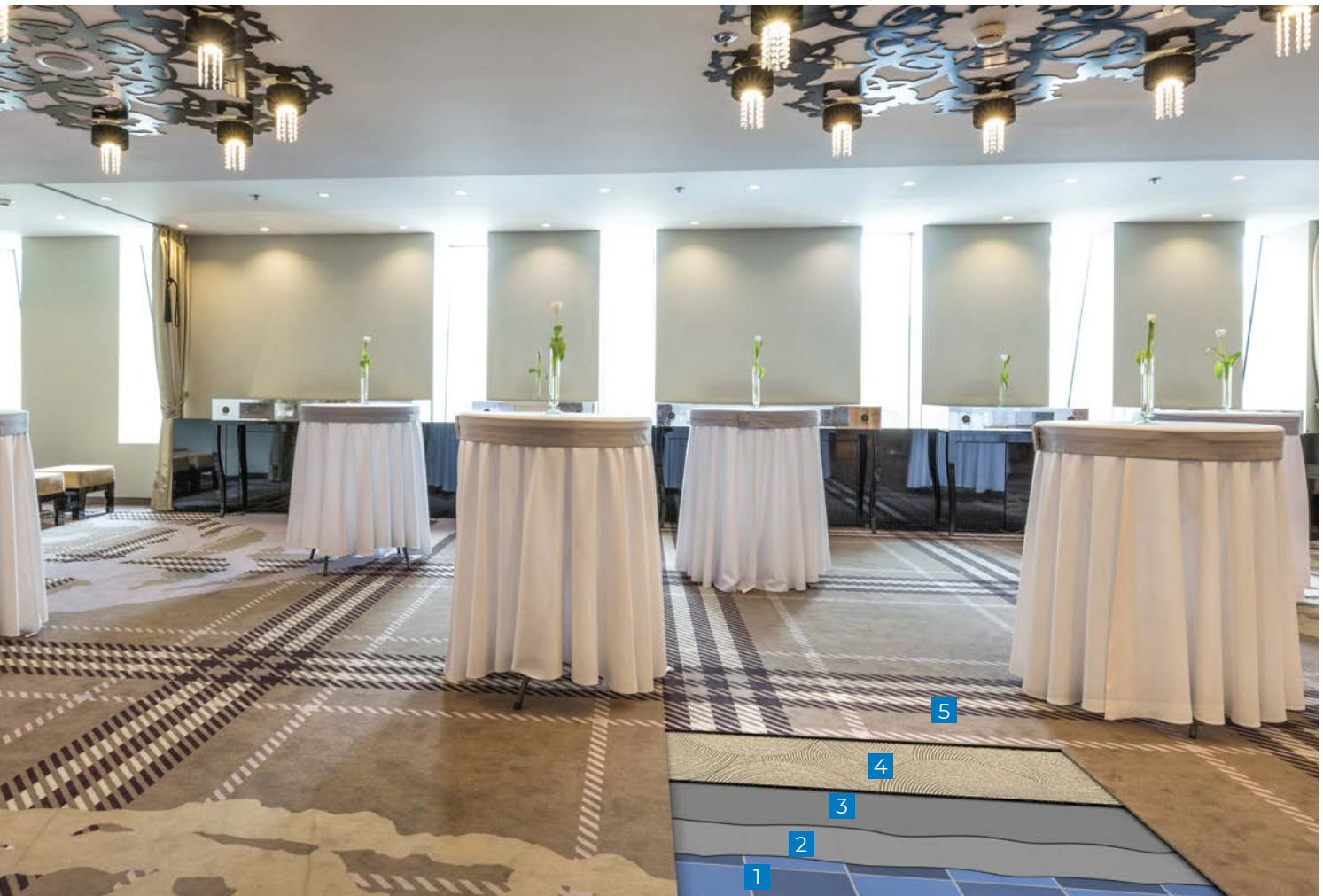
BROADLOOM CARPET
OVER EXISTING TILE

Large, multi-use areas such as reception halls, dining rooms and clubhouses often require multiple changes of wear surfaces. If removal of existing flooring is not practical, choose products designed to install new flooring over the old.

Issues: Demolition costs; quick turnaround

Solutions: Primers for existing surfaces; complete systems to ensure compatibility

- 1 Existing tile flooring
- 2 *ECO Prim Grip*
- 3 *Novoplan HFL*
- 4 *Ultrabond ECO 20*
or *Ultrabond ECO 185*
- 5 Broadloom carpet



INTERIOR

RECREATION ROOM

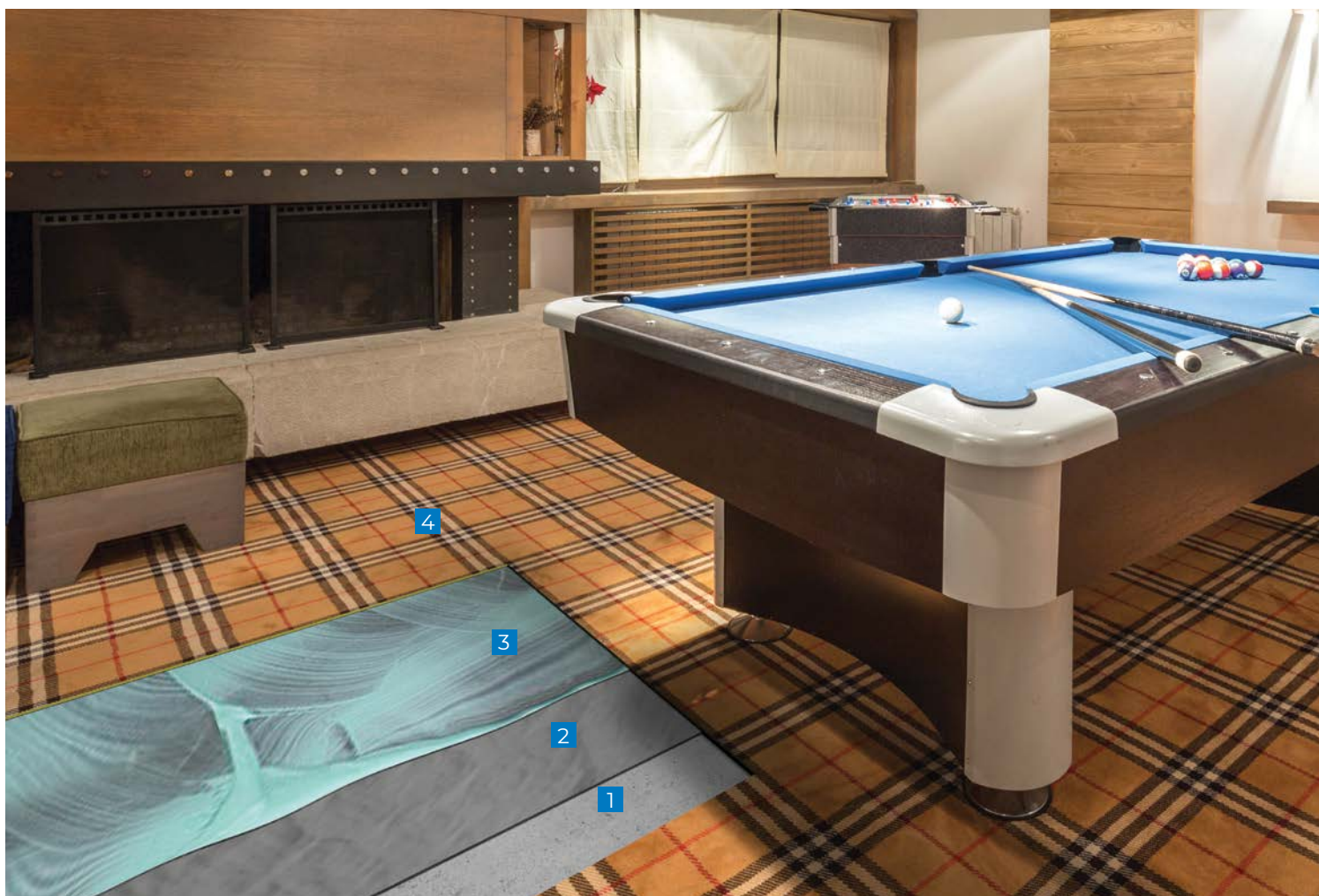
CARPET TILE

Amenities such as recreation rooms provide great options for entertaining, but parties and events lead to spills and stains. Installing modular carpet tiles in these areas allows for a quick and easy fix of one tile or many.

Issues: Surface prep; replacement considerations

Solutions: Smooth skimcoats; releasable adhesives

- 1 Concrete
- 2 *Planiprep SC*
- 3 *Ultrabond ECO 811*,
Ultrabond ECO 373
or *Ultrabond ECO 379*
- 4 Carpet tile with PVC (vinyl), non-PVC, polyolefin, felt or bitumen backing



INTERIOR

GYM

RUBBER FLOORING

Finished surfaces must be durable in spaces frequented by numerous users, such as gyms and recreation rooms. But comfort and sound control are important requirements as well.

Issues: Heavy equipment; pivoting

Solutions: Ultra high-performing adhesives

- 1 Concrete
- 2 *Planiprep PSC*
- 3 *Ultrabond ECO 570* or *Ultrabond G21*
- 4 Granulated, recycled rubber sheet flooring
- 5 *Ultrabond ECO 575*
- 6 Vinyl or rubber cove base



Some installation conditions just cannot be controlled. MAPEI has developed surface-preparation solutions for substrates that are open to the environment or not yet acclimated to operating temperatures. When time is of the utmost importance, MAPEI's system solution of surface preparation, moisture control and bonding helps to shave hours off the installation process.

Issues: HVAC not operating, leveling required, high moisture substrate conditions

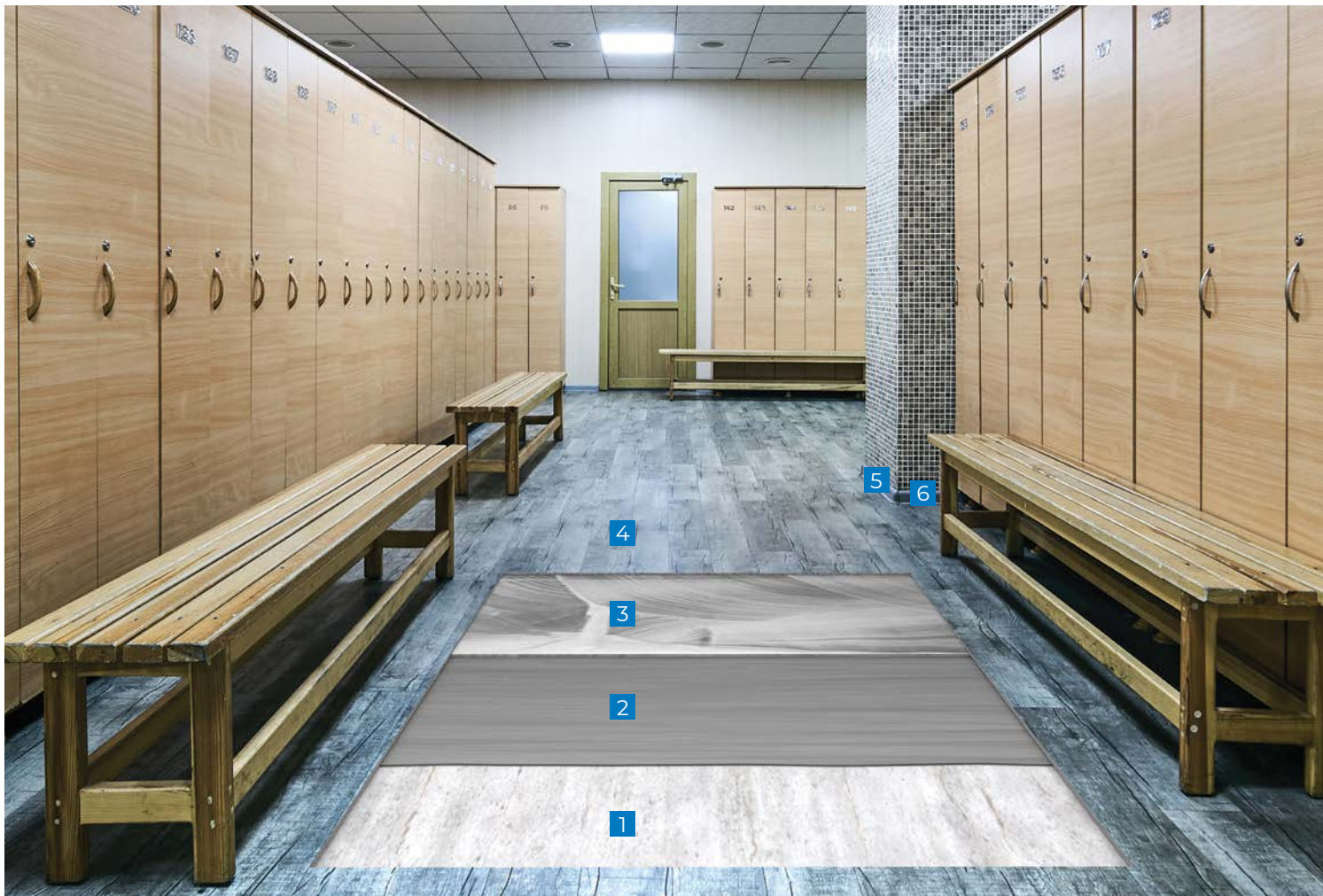
Solutions: Moisture-resistant skimcoating or patching compounds; moisture-tolerant adhesives

- 1 Concrete
- 2 *Planiprep PSC*
- 3 *Ultrabond G21*
- 4 Solid vinyl flooring
- 5 *Mapesil T Plus*
- 6 *UltraCare Smooth Silicone*

INTERIOR

NEW CONCRETE
WITH HIGH
MOISTURE

SOLID VINYL
FLOORING



INTERIOR

NEW CONCRETE WITH HIGH MOISTURE

ENGINEERED
WOOD FLOORING

To protect your flooring from the ravages of subfloor moisture as well as to expedite floor-covering installation, start with a moisture-control membrane. Not only will this protect your new floor from potential moisture issues, it will allow you to install that floor in weeks, if not months, before concrete can sufficiently dry enough under normal evaporative conditions.

Issues: High substrate moisture from new concrete; short turnaround time; aggressive bond

Solutions: Polyurethane moisture-control product; moisture-resistant skimcoating or patching compounds; high-strength urethane adhesives

- 1 Concrete
- 2 *Planiprep PSC*
or *Mapecem Quickpatch*
- 3 *Planiseal PMB*
- 4 *Ultrabond ECO 980*
or *Ultrabond ECO 975*
- 5 Engineered wood flooring



INTERIOR

SHOWER FLOOR AND WALLS

LUXURY
VINYL TILE

Creating captivating visual surfaces for wet environments, such as showers and tub surrounds, is now possible using all the incredible visuals available in luxury vinyl tile or plank. Installing LVT is a much easier, less messy process when compared to traditional methods using tile or stone.

Issues: Exposure to water; slippery when wet

Solutions: A system of products designed to waterproof, prepare, bond, seal and provide traction control for LVT in wet environments

- 1 Cement board
- 2 *Mapelastic AquaDefense*
- 3 *Planiprep 4 LVT*
- 4 *Ultrabond ECO MS 4 LVT*
- 5 LVT
- 6 *Mapecoat 4 LVT*
- 7 *Mapesil T Plus*
- 8 *UltraCare Smooth Silicone*



INTERIOR

OPEN-CONCEPT LIVING SPACE FLOOR

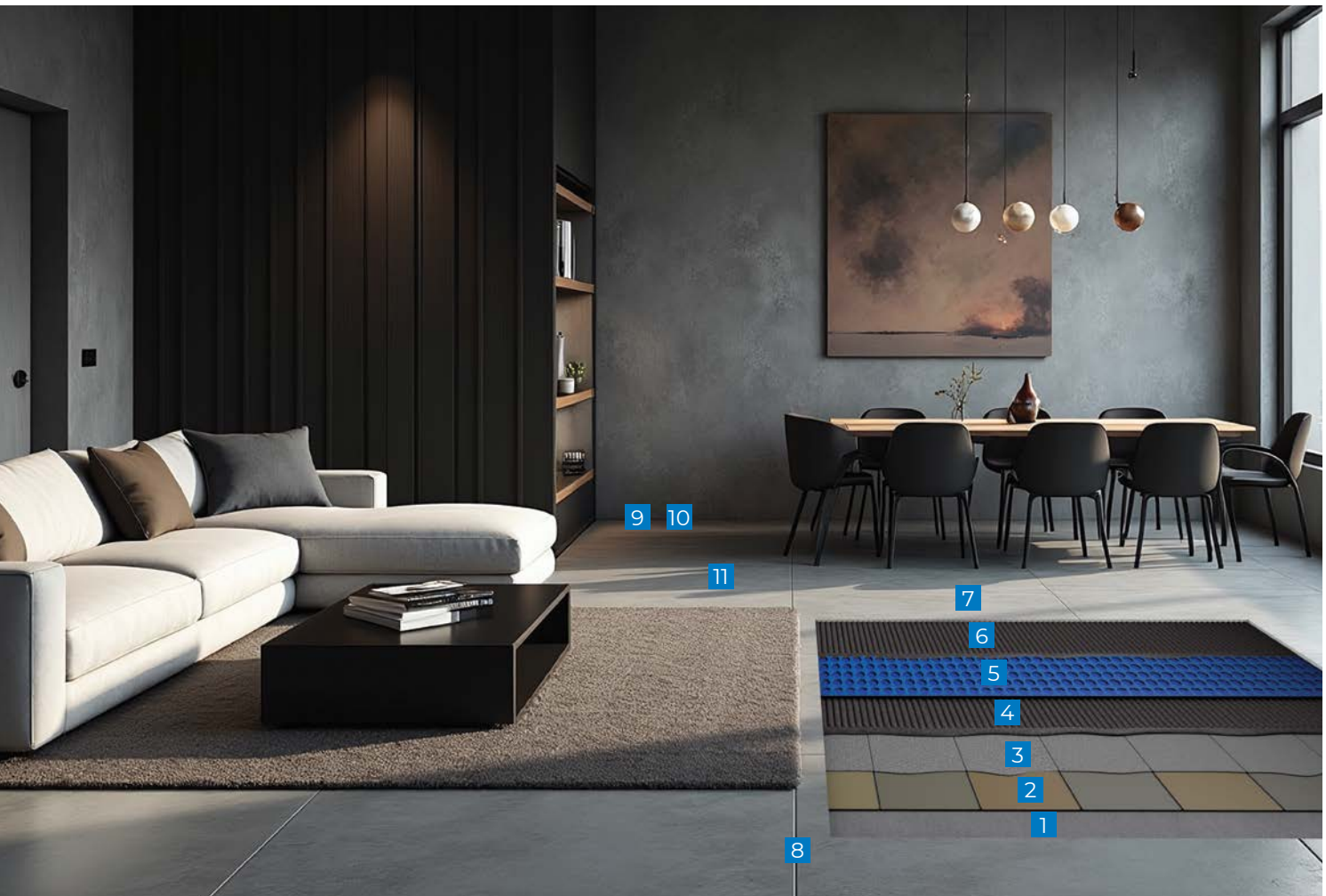
CERAMIC OR
STONE TILE

Former commercial or industrial spaces can be converted into open-concept living spaces without having to rip up old tile flooring – which is messy, expensive and time-consuming. You can utilize this MAPEI system to create a modern, comfortable living space perfect for entertaining at home.

Issues: Demolition costs; dust; fast turnaround

Solutions: Primer for an existing surface; quality products for a system solution

- 1 Concrete substrate
- 2 Existing tile flooring
- 3 *ECO Prim Grip*
- 4 *Keraflex Membrane Mortar*
- 5 *Mapeguard UM 35*
- 6 *Keraflex Membrane Mortar*
- 7 Textured porcelain tile
- 8 *MAPEI Flexcolor CQ*
- 9 *Mapesil T Plus*
- 10 *UltraCare Smooth Silicone*
- 11 *UltraCare Penetrating Plus Stone, Tile & Grout Sealer*



INTERIOR

KITCHEN FLOOR

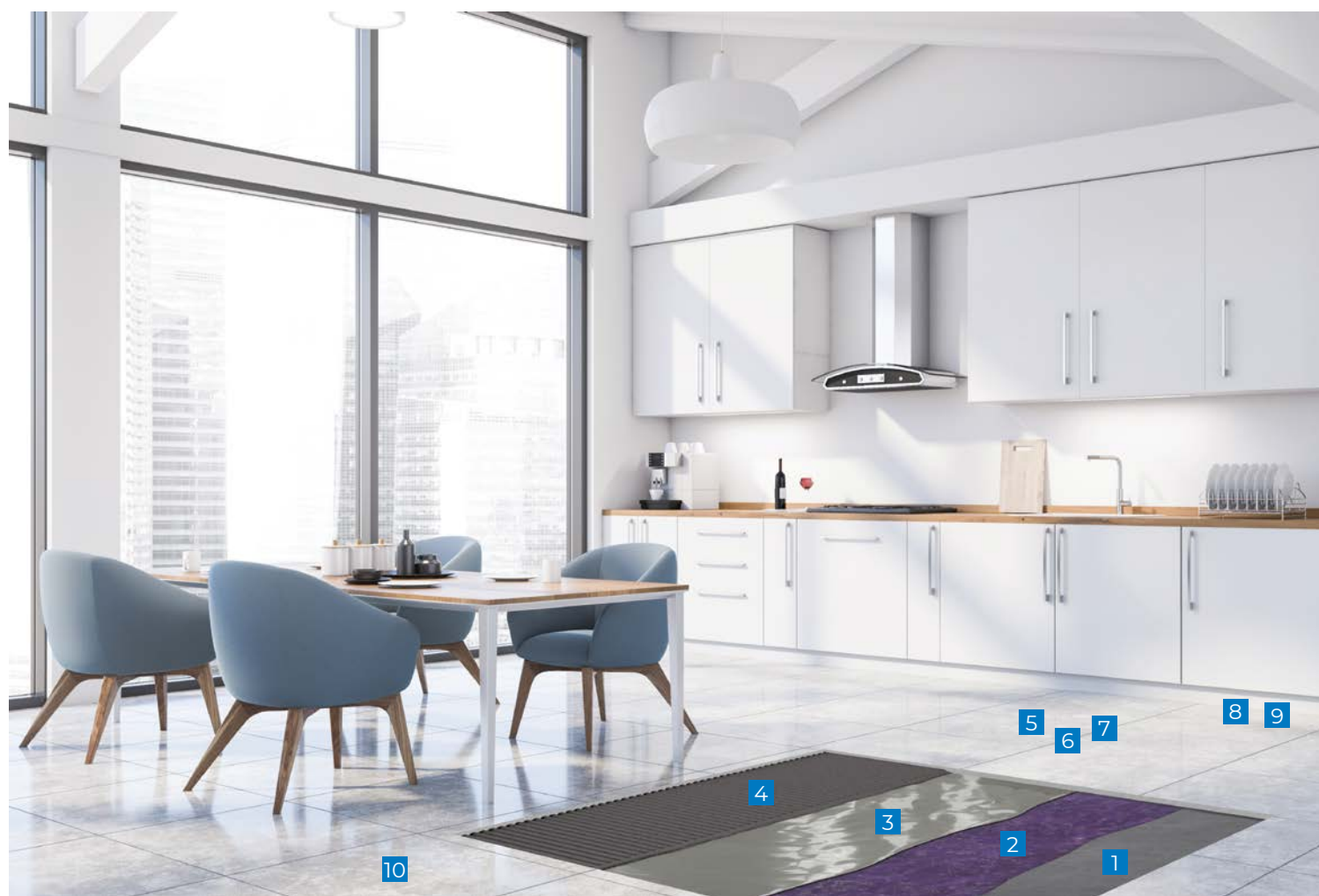
CERAMIC OR
STONE TILE

The kitchen is the heart of your home. Large or small, friends and family tend to gather here while meals are prepared. You want a durable, slip-resistant, stain-resistant and easy-clean floor on which to work and to host these gatherings. High traffic, spills, stains, hygienic concerns and harsh cleaners are not an issue when the high-performance mortar and stain-resistant grout of this MAPEI system solution are installed.

Issues: Spills and stains from food preparation; high traffic; slipping; maintenance; need for durability

Solution: A durable installation system that includes stain-resistant grout

- 1 Concrete
- 2 *Primer T*
- 3 *Novoplan Easy*
- 4 *Keraflex Plus*
- 5 Large-format tile
- 6 *UltraCare Grout Release*
- 7 *MAPEI Flexcolor CQ*
- 8 *Mapesil T Plus*
- 9 *UltraCare Smooth Silicone*
- 10 *UltraCare Penetrating Plus*
Stone, Tile & Grout Sealer



INTERIOR

DINING ROOM FLOOR

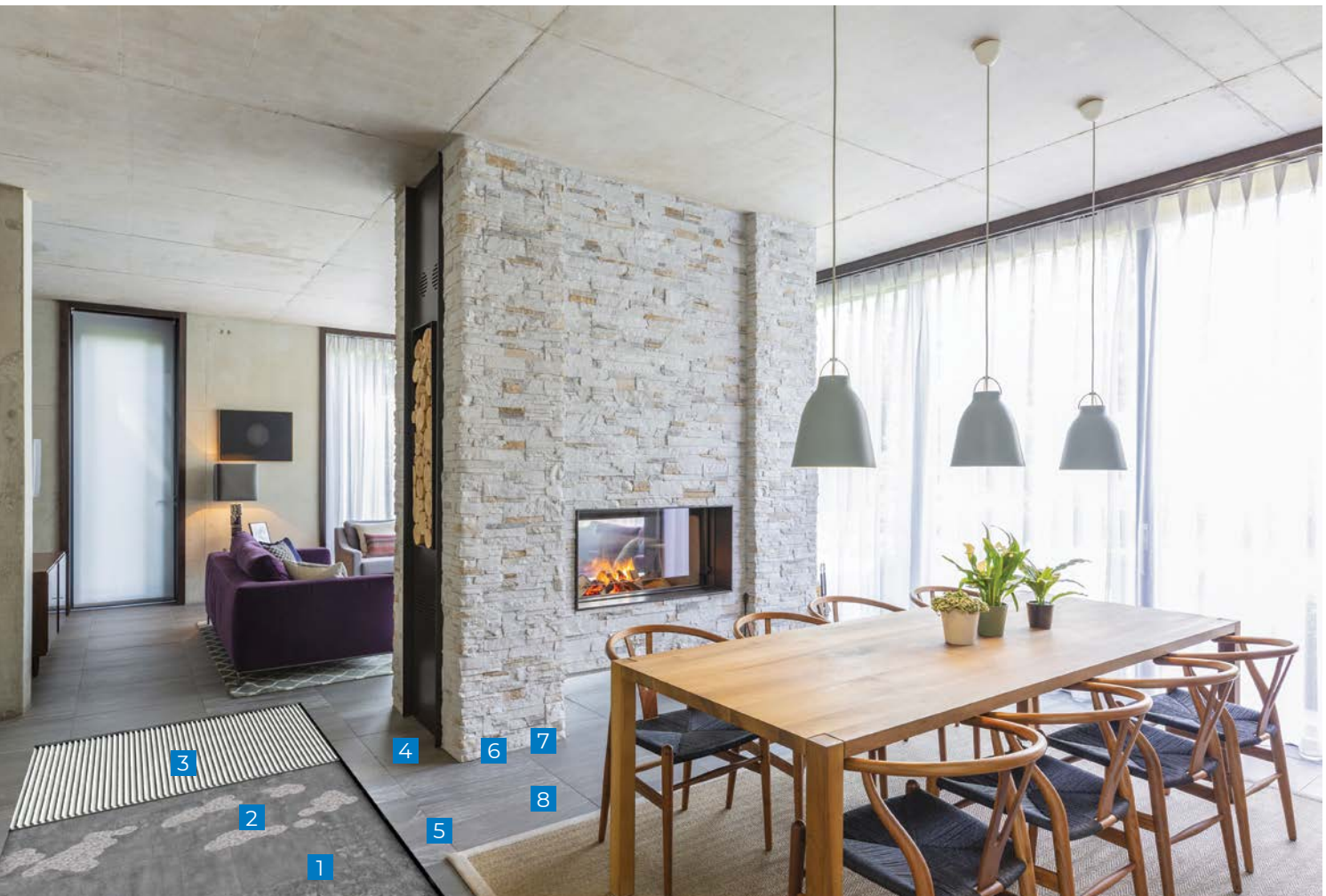
CERAMIC OR
STONE TILE

Holiday meals served around the family table, a romantic dinner for two, a quick snack between school and ball practice, or simply Tuesday night dinner – whatever the occasion, the dining room sees many uses and hosts many memories. The floor must look attractive and be able to withstand years of use, including dancing feet, scraping chairs and spilled food. With this MAPEI system solution – including a high-quality mortar and stain-resistant grout installed over a correctly prepared surface – the floor will set an attractive, durable stage for many happy gatherings for many years.

Issues: Aesthetics; prepped substrate; need for premium performance

Solutions: High-quality mortar over properly prepped substrate

- 1 Concrete
- 2 *Planislope RS*
- 3 *Keraflex Super*
- 4 Honed travertine stone tile
- 5 *MAPEI Flexcolor CQ*
- 6 *Mapesil T Plus*
- 7 *UltraCare Smooth Silicone*
- 8 *UltraCare Penetrating Plus Stone, Tile & Grout Sealer* or *UltraCare Enhancing Plus Stone Sealer*



INTERIOR

LAUNDRY ROOM FLOOR

CERAMIC OR
STONE TILE

Laundry room floors see heavy traffic in wear patterns. They also see heavy use and heavy-duty cleaning. A large-format tile floor installed in this area must be accompanied by a system that can withstand moisture, maintenance and heavy usage. When the system is a MAPEI solution that includes a high-performance mortar and chemical-/stain-resistant grout, the floor will withstand the toughest usage and will remain attractive and easy to clean.

Issues: Moisture; maintenance; need for durability; heavy use

Solutions: High-performance mortar and easy-to-clean, water-/chemical-resistant grout

- 1 Existing tile
- 2 *ECO Prim Grip*
- 3 *Ultraflex LFT*
- 4 *UltraCare Grout Release*
- 5 Large-format porcelain tile
- 6 *Kerapoxy CQ*
- 7 *Mapesil T Plus*
- 8 *UltraCare Smooth Silicone*



INTERIOR

FOYER

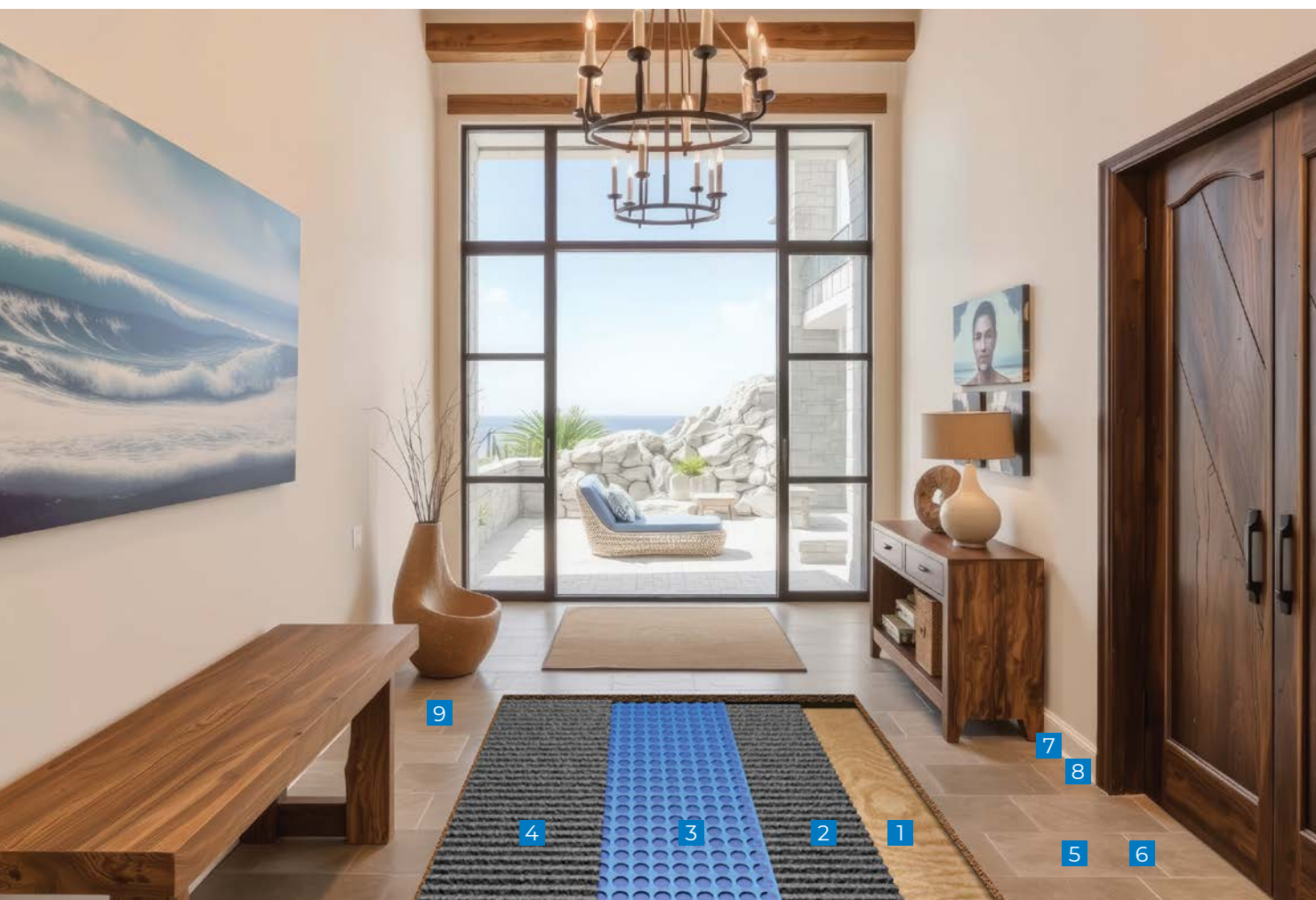
CERAMIC OR
STONE TILE

The foyer floor welcomes your guests into your home. It is the first floor they step onto after they cross the threshold. What does your floor say about you? Is there grime caught in the joint between the floor and the threshold? Have any wear patterns dulled – or even chipped – the grout? With this MAPEI premium system solution, the heavy traffic wear, the shifting tiles, and the dull and stained grout all become distant memories... and you get a durable, long-lasting and first-impression-worthy foyer floor.

Issues: Aesthetics; high traffic; substrate movement

Solution: Premium installation system for protection from movement

- 1 Plywood
- 2 *Keraflex Plus*
- 3 *Mapeguard UM 35*
- 4 *Keraflex Plus*
- 5 Natural stone
- 6 *Ultracolor Plus FA*
- 7 *Mapesil T Plus*
- 8 *UltraCare Smooth Silicone*
- 9 *UltraCare Penetrating Plus SB*
Stone & Porcelain Tile Sealer
or *UltraCare Enhancing Plus*
Stone Sealer



Whether it is noise from a TV, video game system, stereo or playing children, entertainment rooms can be especially noisy when the floor is ceramic tile or stone. But you don't have to give up aesthetics for quiet when using this MAPEI system solution. This system of a premium high-performance underlayment, mortar and grout reduces sound while increasing the ease of maintenance.

Issues: Heavy use; sound control; maintenance

Solution: Sound-control and crack-isolation system that includes a high-performance mortar

- 1 Plywood
- 2 *MAPEI SM Primer Fast*
- 3 *Mapesonic 2*
- 4 *Keraflex Membrane Mortar*
- 5 *UltraCare Grout Release*
- 6 Large-format porcelain tile
- 7 *Ultracolor Plus Max*
- 8 *Mapesil T Plus*
- 9 *UltraCare Smooth Silicone*
- 10 *UltraCare Penetrating Plus Stone, Tile & Grout Sealer*

INTERIOR

ENTERTAINMENT ROOM

CERAMIC OR
STONE TILE



SUSTAINABILITY AND RESIDENTIAL HIGH-RISES GO HAND-IN-HAND

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 residents.

To quickly identify MAPEI products that can contribute to sustainable programs, look at the Sustainability Product Report for each product. Contact our Technical Services' Sustainability Manager at sustainability_USA@mapei.com (USA) 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.



Manufacturers' Inventory

The Manufacturers' Inventory (MI) is a transparency document that shows the ingredients in a product, as well as any associated hazards. These third-party-verified MIs give MAPEI the freedom to develop a reporting document that aligns with mandatory regulatory chemical audit methodologies, while providing the same required information and verification rigor as other material ingredient reports, such as HPDs.



CO₂ Fully Offset

CO₂ emissions measured throughout the product's life cycle are fully offset through the acquisition of third-party-certified carbon credits that support climate-mitigation projects.



SCS Global Services' Indoor Advantage Gold

SCS Global Services' Indoor Advantage Gold certification signifies that select products' VOC emissions have been tested and comply with California Department of Health (CDPH) Standard Method v1.2-2017.



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.

4 to 1™ Mud Bed Mix

Sand and Cement Mortar Mix

4 to 1 Mud Bed Mix is a pre-blended mixture of finely graded sand and Portland cement used for thick-bed mortar installations. *4 to 1 Mud Bed Mix* flattens and levels an existing substrate before the installation of tile and stone.

Adesilex™ P10 Mosaic & Glass Tile

Premium Mosaic and Glass Tile Mortar with Polymer

Adesilex P10 Mosaic & Glass Tile is a premium-grade, bright white, multipurpose thin-set mortar formulated with nonsag properties. *Adesilex P10 Mosaic & Glass Tile* is designed for glass tile, glass mosaic and marble mosaic, and is ideal for light translucent natural stone.

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 AR

Water-Based, Alkali-Resistant Primer for Elastocolor Coatings

Elastocolor Primer AR is a specially designed primer for use on exterior, above-grade, new and previously coated concrete and masonry surfaces. *Elastocolor Primer AR* will protect subsequent coatings from the damaging effects of high pH present in freshly placed cement-based products. It remains highly flexible, offers excellent filling and adhesion on prepared substrates, and is designed for compatibility with MAPEI's *Elastocolor* coating systems.

Elastocolor® Primer WB

Water-Based, 100%-Acrylic Primer for Elastocolor Coatings

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

Fiberglass Mesh

For *Mapelastic®*, *Mapelastic 315* and *Mapelastic HPG* Waterproofing Products

MAPEI's *Fiberglass Mesh* is a ready-to-use, thin, strong yet flexible alkali-resistant mesh for embedment with waterproofing and crack-isolation membranes – including MAPEI's *Mapelastic*, *Mapelastic 315* and *Mapelastic HPG* – on residential and commercial floors, walls and ceilings.

Fiberglass Mesh reinforces and improves the performance of MAPEI's waterproofing membranes when applied over cracks, coves and corners and around drains on residential and commercial applications. *Fiberglass Mesh* can be cut to size with scissors or a razor knife, and has excellent compatibility with all MAPEI cement- or epoxy-based mortars.

Granirapid® System

Premium, Rapid-Setting, Flexible Tile Mortar

Granirapid is the industry's first and most flexible, high-performance, fast-curing mortar system geared for fast-track projects. It develops high, early mechanical strength and can be specified for the most demanding tile applications. Thanks to MAPEI's High-Hydrated Cement Technology (HCT™), *Granirapid* offers superior drying-out characteristics for quick curing and does not contribute to efflorescence. When installed in conjunction with *Ultracolor® Plus FA* grout, *Granirapid* will allow water submersion in only 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 difficult-to-bond 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.

Keracolor® U Unsanded Grout

Premium Unsanded Grout with Polymer

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

Keraflex® Membrane Mortar

Premium, Extra Smooth, Large-and-Heavy-Tile Mortar with Polymer for Membranes

Keraflex Membrane Mortar is specifically designed for use as a mortar over and under uncoupling, crack-isolation, sound-reduction and waterproofing membranes. It is a faster-drying mortar when trapped between membranes and substrate or between membranes and tile.

Keraflex® Plus

Professional, Extra Smooth, Large-and-Heavy-Tile Mortar with Polymer

Keraflex Plus is a highly versatile, nonsag/nonslump, large-and-heavy-tile mortar and thin-set mortar for tile and stone installations on floors, walls and countertops. This polymer-modified mortar is formulated with Easy Glide Technology™ for ease of application and offers excellent adhesion to substrates and tile. It can also be used as a mortar over uncoupling, crack-isolation, sound-reduction and waterproofing membranes.

Keraflex® Super

Premium, Extra Smooth, Large-and-Heavy-Tile Mortar with Polymer

Keraflex Super is a highly versatile, nonsag/nonslump, large-and-heavy-tile mortar and thin-set mortar for tile and stone for installations on floors, walls and countertops. This polymer-modified mortar has a high content of a unique dry polymer, resulting in excellent adhesion to the substrate and tile, with enhanced resistance to freeze/thaw environments. This product features a very low emission of volatile organic compounds and includes an offset of greenhouse gas emissions. It is formulated with Easy Glide Technology™ for ease of application and with a consistency that allows adjustability when used with lippage control systems. *Keraflex Super* can also be used as a mortar over uncoupling, crack-isolation, sound-reduction and waterproofing membranes.

Kerapoxy® CQ

Premium, Epoxy Grout and Mortar with Color-Coated Quartz

Kerapoxy CQ is a 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, offers good UV protection and contains BioBlock® technology to help protect against mold and mildew. *Kerapoxy CQ* does not contribute to efflorescence and has excellent resistance to chemicals, staining, alkalinity, chlorine, cracking and color deterioration.

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® Quickpatch

High-Performance Concrete Patch

Mapecem Quickpatch is a high-performance, fast-setting, cementitious material used for the patching of concrete surfaces. This product features a very low emission of volatile organic compounds and includes an offset of greenhouse gas emissions.

Mapecoat™ 4 LVT

Two-Component, Water-Based, Aliphatic, Anti-Slip, Polyurethane Finish for LVT

Mapecoat 4 LVT is a transparent protective finish that comes in matte (10 gloss) and semi-gloss (30 gloss) for luxury vinyl tile (LVT) in addition to other resilient flooring in horizontal and vertical applications. It provides a non-slip finish with high resistance to wear in residential and commercial environments, including wet areas such as tub surrounds and shower enclosures as well as dry areas that are subject to high foot traffic.

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, polished or hard-troweled concrete floors.

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.

Mapedrain™ TD Fittings

Fittings for Installing *Mapedrain TD Drainage Composite*
Mapedrain TD Fittings consist of end outlet, side outlet, splice and corner fittings that are made out of polyethylene and assist in installing *Mapedrain TD Drainage Composite*. The end outlet fitting connects the end of *Mapedrain TD Drainage Composite* to a 4" (10 cm) corrugated pipe.

The side outlet fitting connects the side of *Mapedrain TD Drainage Composite* to a 4" (10 cm) corrugated pipe. The splice fitting connects two pieces of *Mapedrain TD Drainage Composite* end to end. And the corner fitting connects two pieces of *Mapedrain TD Drainage Composite* together at the inside or outside corners of a building.

Mapectex® P1 FT

One-Component, Nonsag, Elastomeric Polyurethane Sealant

Mapectex P1 FT is a high-performance, one-component, fast-track, elastomeric, moisture-cured, polyurethane sealant and adhesive. *Mapectex P1 FT* offers excellent adhesion to most surfaces, superior gunning and tooling, and excellent flexibility for moving joints.

Mapectex® P2 NS

Two-Component, Nonsag, Polyurethane Sealant

Mapectex P2 NS is a two-component, nonsag, polyurethane elastomeric sealant that meets the requirements of ASTM C920.

Mapectoor™ Finish 59 W TRP

Two-Component, Clear, Matte, Aliphatic Polyurethane Coating

Mapectoor Finish 59 W TRP [NA] provides a high-performance finish on general-service resinous *Mapectoor* systems flooring and *Ultratop®* systems.

Mapectoor™ Finish 415 NA

Two-Component, Polyurethane Topcoat for Mapectoor Parking Deck System

Mapectoor 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 *Mapectoor* parking deck system is utilized.

Mapectoor™ Finish 450

Two-Component, Aliphatic, Polyurethane Topcoat

Mapectoor 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.

Mapectoor™ Finish 630

Two-Component, Clear Protective Acrylic Coating for Floors

Mapectoor Finish 630 [NA] is a two-component, protective, acrylic filming agent in a water dispersion for floors made from concrete and *Ultratop®* systems. *Mapectoor Finish 630* [NA] provides a high-performance finish on *Ultratop* systems.

Mapecfloor™ PU 400 FC

Two-Component, Fast-Curing, Polyurethane Basecoat for *Mapecfloor* Parking Deck System

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

Mapecfloor™ PU Primer

Two-Component Polyurethane Primer

Mapecfloor PU Primer [NA] is a two-component, polyurethane-based primer that can be used for initial application of *Mapecfloor* parking deck systems or as a recoat primer for already installed polyurethane deck systems.

Mapeguard® 2

3-in-1 Membrane for Crack Isolation, Waterproofing and Sound Reduction

Mapeguard 2 is a next-generation, flexible, thin, 40-mil (1-mm) lightweight, load-bearing, fabric-reinforced “peel-and-stick” crack-isolation, waterproofing and vapor-control membrane. *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 and 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.

Mapeguard® Pre-Formed Curb

Solid Pre-Formed Curb for Showers

Mapeguard Pre-Formed Curb is made from high-density expanded polystyrene (EPS), with a solid composition and an acrylic polymer coating. This waterproof, lightweight, tile-able accessory to simplify shower installations. *Mapeguard Pre-Formed Curb* is used to create a tile-ready curb in wet areas in lieu of lath and mortar, or as a replacement for 2" x 4" (5 x 10 cm) boards that are overlaid and waterproofed. Its waterproof attributes do not contribute to mold or mildew.

Mapeguard® Pre-Formed Seat / Bench

Pre-Formed Shower Seats and Benches

Mapeguard Pre-Formed Seat and *Mapeguard Pre-Formed Bench* are waterproof, lightweight, durable and tile-ready shower accessories for simplifying and reducing installation time. They are each made from high-density expanded polystyrene (EPS), solid composition and coated with an acrylic polymer finish. Each *Mapeguard Pre-Formed Seat* and *Mapeguard Pre-Formed Bench* provides a ready-for-tile seat/bench that adds beauty and function to showers and wet areas. They are also ideal for steam rooms and steam showers. The waterproof attributes of these products do not contribute to mold or mildew.

Mapeguard® UM 35

Uncoupling, Crack-Isolation and Waterproofing Membrane

Mapeguard UM 35 [NA] is an uncoupling, crack-isolation, waterproofing and vapor-management membrane made from high-density polyethylene (HDPE) with a rough surface and polypropylene fabric backing. *Mapeguard UM 35* [NA] is designed for installing ceramic and stone tile, including over existing non-cushioned resilient flooring, ceramic tile and stone tile. It is designed to perform over challenging substrates, such as young concrete and single-layer 3/4" (19 mm) plywood subfloors with joist spacing of up to 19.2" (49 cm) on center.

Mapeguard® WP 200

Waterproofing Sheet Membrane for Ceramic Tile and Stone

Mapeguard WP 200 is a thin, flexible, polyethylene sheet membrane with a nonwoven, polypropylene fabric on both sides, used for both waterproofing and crack isolation in interior/exterior residential and commercial applications. The laminated fleece webbing is designed to anchor the membrane to the substrate and the tiles to the membrane using the bonded thin-set method with recommended, polymer-modified mortars. *Mapeguard WP 200*'s low perm rating performance is ideal for vapor protection in showers, wet areas and steam rooms.

Mapeguard® WP ST

Waterproofing Sealing Tape for *Mapeguard WP 200*

Mapeguard WP ST is a fast and easy way to cover seams and wall upturns to provide waterproofing and vapor management protection when installing *Mapeguard WP 200* waterproofing sheet membrane for ceramic tile and stone.

MAPEI Flexcolor® 3D

Ready-to-Use, Translucent Grout with an “Iridescent Effect” Finish

MAPEI Flexcolor 3D is a professional-grade, ready-to-use (RTU) translucent specialty grout with an “iridescent effect” finish. It is offered in 10 designer colors with translucent characteristics that not only reflect but also refract light. This allows the grout to transition in color to complement the tile color. The “translucent effect” is most noticeable with the color Crystal Moon (#201), while the other nine colors exhibit a more pronounced “iridescent effect.”

MAPEI Flexcolor 3D is also formulated for commercial and residential interior installations of with porcelain, ceramic, glass and natural-stone tiles. Plus, the dense surface structure of the grout helps to prevent water-based stains on the grout surface.

MAPEI Flexcolor 3D is formulated with the latest innovation in recycled glass-bead 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.

Comparison testing of *MAPEI Flexcolor 3D* versus traditional Portland-cement grout has verified that *MAPEI Flexcolor 3D* requires 65% less time to install than powder grouts.

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.

Comparison testing of *MAPEI Flexcolor CQ* versus traditional Portland-cement grout has verified that *MAPEI Flexcolor CQ* is 30% more cost-efficient (based on typical rates of installers) and requires 65% less time to install.

MAPEI Quartz

Quartz Aggregate for Epoxy and Polyurethane Flooring Systems

MAPEI Quartz broadcast aggregates are intended for use in epoxy and polyurethane resin flooring systems. They are also recommended for epoxy mortars.

MAPEI SM Primer™ Fast

Fast-Tacking, Water-Based Primer for MAPEI Peel-and-Stick Membranes

MAPEI SM Primer Fast is a ready-to-use, fast-drying, quick-tacking, water-based, pressure-sensitive, nonhydrolyzable latex primer for use under MAPEI's peel-and-stick sheet membranes on residential and commercial indoor or outdoor floors. *MAPEI SM Primer Fast* 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 mortar that can also be used for large-and-heavy-tile and nonsag applications, and that can also be used for thin-set mortar installations. This high-performance, polymer-modified mortar features a very low emission of volatile organic compounds and includes an offset of greenhouse gas emissions. It is formulated with Easy Glide Technology™ for ease of application, and with BioBlock® technology for mold and mildew resistance. *MAPEI Ultralite Mortar* utilizes Ultralite Technology™ for twice the coverage of a standard thin-set mortar per pound/kg and contains more than 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-LV and ANSI A118.12 standards.

Mapelastic® Turbo

Premium, Rapid-Drying, Waterproofing and Crack-Isolation Membrane

Mapelastic Turbo [NA] is a two-component, rapid-drying, cementitious-binder-based membrane with fine-grained selected aggregates, special admixtures and synthetic polymers in water dispersion for interior and exterior installations under ceramic tile or stone in residential, commercial and industrial intermittent wet or submerged environments. Applied easily with a roller or brush, *Mapelastic Turbo* [NA] provides an excellent barrier to protect adjacent rooms and floors below from water damage. *Mapelastic Turbo* [NA] exceeds ANSI A118.10-LV and ANSI A118.12 standards and is compatible with polymer-modified cement-based mortars (ANSI A118.4 or better) or epoxy mortars (ANSI A118.3).

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® 3D

100%-Silicone Sealant for Corner and Change-of-Plane Joints

Mapesil 3D is a professional-grade, 100%-silicone sealant for use on multiple substrates. This sealant is specifically formulated to offer direct color matches to *MAPEI Flexcolor® 3D* grout.

Mapesil® T Plus

100%-Silicone Sealant with Enhanced Adhesion for Heavy Traffic and Expansion/Movement Joints

Mapesil T Plus is a professional-grade, 100%-silicone sealant with enhanced adhesion 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

All-in-One Membrane for Crack Isolation, Sound Reduction, Waterproofing and Vapor Management

Mapesonic 2 is a patented, next-generation, flexible, 76-mil thin, lightweight, load-bearing, fabric-reinforced, “peel-and-stick” membrane for sound reduction, crack isolation, waterproofing and vapor management. Application of *Mapesonic 2* can be immediately followed by installation of finished flooring.

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 floorings. It also helps to prevent existing or future in-plane floor cracks (with movement up to 3/8" or 10 mm wide) from transmitting through grout, ceramic tile and natural-stone assemblies.

Mapesonic™ RM

Premium, Sound-Reduction Rubber Membrane

Mapesonic RM is a high-performance, acoustic underlayment designed to reduce ambient and impact sound transmissions in installations of ceramic and porcelain tile, natural stone, wood flooring, luxury vinyl tile (LVT), luxury vinyl plank (LVP), sheet vinyl and carpet tile. *Mapesonic RM* is ideal for applications in apartments, condominiums, college dormitories, classrooms and office buildings.

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® Easy

Easy-Preparation, Self-Leveling Underlayment

Novoplan Easy is a high-strength, self-leveling, cement-based underlayment and repair mix for interior concrete and engineer-approved floors. It typically requires only a clean, soundly bonded substrate before application. *Novoplan Easy* provides low installation costs and fast turnaround on jobsites.

Novoplan® HFL

High-Flow, Self-Leveling Compound

Novoplan HFL is a self-leveling, calcium-aluminate-based underlayment and repair mix for interior concrete and engineer-approved floors with high-flow characteristics.

Planiprep® 4 LVT

High-Moisture-Resistant Skimcoat and Embossing Leveler

Planiprep 4 LVT is a premixed, high-moisture-resistant, water-based, acrylic-resin-based skimcoat and embossing leveler.

Planiprep® PSC

Moisture-Resistant, Fast-Drying Patch and Skimcoating Compound

Planiprep PSC is a fast-drying, cement-based, fiber-reinforced, polymer-modified patch and skimcoating compound designed for preparing concrete and wood substrates for flooring installation.

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.

Planiseal® Membrane SA

Self-Adhering Sheet Membrane

Planiseal Membrane SA is a 63-mil, self-adhering sheet membrane consisting of 61 mils of rubberized asphalt laminated to a 2-mil PET film. The combination of these two excellent waterproofing materials provides a durable, high-performance waterproofing membrane. *Planiseal Membrane SA* is suitable for installations where the ambient and substrate temperatures are above 40°F (4°C).

Planiseal® PMB

One-Component, Polyurethane Moisture Barrier and Bonding Agent

Planiseal PMB is a one-component, moisture-curing, polyurethane compound designed to provide moisture vapor emission protection on damp concrete substrates in a single- or double-coat application method as well as a vapor retarder using a single-coat method over wood substrates. It also serves as a bonding agent and moisture barrier system for self-leveling underlayments when applied in a double-coat method with dry sand.

Planislope™ RS

Rapid-Setting, Polymer-Modified Sloping Mortar

Planislope RS is a rapid-setting, pre-blended, cement-based, polymer-modified mortar that includes a blend of select aggregates for use in sloping and thick-bed mortar installations. It only needs mixing with water to produce a mortar of exceptional strength. Used for preparing a substrate before the installation of tile and stone, *Planislope RS* is designed for pre-sloping under waterproofing membranes and mortar beds in showers when quick turnarounds are desired.

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, contains both silica fume and a corrosion inhibitor, and is intended for the repair of vertical, overhead and horizontal concrete surfaces.

Planitop® 330 Fast

Quick-Setting, Fiber-Reinforced, Cementitious Rendering Mortar

Planitop 330 Fast is a quick-setting, polymer-modified, fiber-reinforced cementitious rendering, patching and leveling mortar for interior and exterior walls, floors and submerged areas. It can be applied from 1/8" to 1-1/4" (3 mm to 3.2 cm) in thickness to ramp, smooth and level surfaces. Eliminating the need for a latex additive, *Planitop 330 Fast* requires only mixing with water to produce a nonsagging mortar that is ready for tile installation in as little as 90 minutes.

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. This product features a very low emission of volatile organic compounds and includes an offset of greenhouse gas emissions.

Primer SN™

Two-Component, Filled, Epoxy Primer

Primer SN [NA] is a two-component, filled, epoxy primer specifically designed to enhance adhesion of cementitious flooring systems and multilayer resin flooring, such as MAPEI's *Mapefloor™* products, *Ultratop®* products, *PlaniLevel™* products and *Planitop® EL* multilayer epoxy resin flooring systems and multilayer traffic deck systems.

Primer T™

All-Purpose Primer for Self-Leveling Underlayments

Primer T is a low-VOC, magenta-colored, water-based acrylic primer that enhances the performance and adhesion of self-leveling underlayments (SLUs) on nonporous and porous substrates. Suitable for a wide variety of substrates, *Primer T* combines excellent versatility with easy, low-odor application.

Reinforcing Fabric

For Use with Mapelastic® AquaDefense, Mapelastic WaterStop and Mapelastic Turbo

MAPEI's *Reinforcing Fabric* is a strong, absorbent, flexible, alkali-resistant, polyester reinforcing fabric for optional use with MAPEI's *Mapelastic AquaDefense*, *Mapelastic WaterStop* and *Mapelastic Turbo* membranes when

installed under ceramic tile or stone on residential and commercial interior applications.

Reinforcing Fabric is ideal for use over substrate areas such as cracks, coves, corners and areas around drains when used with *Mapelastic AquaDefense*, *Mapelastic WaterStop* and *Mapelastic Turbo*. *Reinforcing Fabric* provides a durable, reliable barrier to water migration into adjacent areas. It can easily be cut to size with scissors or a razor knife, and it has excellent compatibility with all MAPEI cement- or epoxy-based grouts and mortars.

Ultrabond ECO® 20

Standard Flooring Adhesive

Ultrabond ECO 20 has been designed to provide both value and performance in a standard flooring adhesive. Its unique formulation provides ample working time for installing felt-backed vinyl sheet flooring, smooth-backed carpet and rough-backed carpet.

Ultrabond ECO® 185

Professional Carpet Adhesive

Ultrabond ECO 185 is a latex-based adhesive that offers fast grab and quick leg development for the fast-track installation of commercial carpet. It can be used in direct-bond and double-stick carpet applications.

Ultrabond ECO® 220

Premium Flooring Adhesive

Ultrabond ECO 220 is a high-solids, latex-based adhesive designed specifically for installing carpet and felt-backed vinyl sheet flooring. Its unique 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. It may be used in both direct and double glue-down installation methods for carpet.

Ultrabond ECO® 307

Hard-Setting Adhesive for Resilient Flooring

Ultrabond ECO 307 is a proprietary, hard-setting, water-based, hybrid polymer formulation designed for the permanent installation of all types of resilient flooring. *Ultrabond ECO 307* is used in a wet-lay installation method only and is designed for use in the most demanding situations for the ultimate in controlling resilient floor movement. In addition, it offers superior rolling load resistance for high-traffic areas.

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® 373

Universal, Pressure-Sensitive, Multi-Flooring Adhesive

Ultrabond ECO 373 is a super aggressive, pressure-sensitive adhesive that is designed for the installation of a wide variety of resilient flooring types. *Ultrabond ECO 373* has been specifically formulated to provide extended working time and can be applied using a trowel or roller, depending on the level of tack that is required for the flooring that is being installed. *Ultrabond ECO 373* can also be used for flash-coving installations using traditional installation methods.

Ultrabond ECO® 399

Heavy-Duty, Pressure-Sensitive, Multi-Flooring Adhesive

Ultrabond ECO 399 is a high-moisture-resistant, heavy-rolling-load-resistant, aggressive, pressure-sensitive adhesive with enhanced dimensional control properties designed to install a wide variety of resilient flooring types. *Ultrabond ECO 399* can also be used for flash-coving installations using traditional installation methods.

Ultrabond ECO® 420

High-Performance, Moisture-Resistant, Indoor/Outdoor Carpet Adhesive

Ultrabond ECO 420 is a proprietary, water-based adhesive formulation designed for both indoor and outdoor carpet. *Ultrabond ECO 420* offers high-moisture-resistant characteristics and excellent bond properties for interior and exterior broadloom carpet installations. *Ultrabond ECO 420* is also perfectly suited to bond reground rubber underlayments such as *Mapesonic™ RM* for ceramic tile installations. Due to its unique formulation, it can be installed without the need for moisture testing.

Ultrabond ECO® 570

Premium, Urethane Rubber-Sports-Flooring Adhesive

Ultrabond ECO 570 is a moisture-curing, one-component, polyurethane polymer adhesive specifically designed for the direct bonding of high-performance reground-rubber sports flooring in interior or exterior applications. Its unique formulation is perfectly suited for most types of reground-rubber sports flooring and provides an aggressive and durable bond. *Ultrabond ECO 570* utilizes rapidly renewable raw materials as part of the formulation and is free of phthalate plasticizers.

Ultrabond ECO® 575

Premium Wall-Base Adhesive

Ultrabond ECO 575 [NA] 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 [NA]* also has been recently reformulated to offer

even greater grab and wet strength, keeping corners wrapped tight. Its light-colored, water-based, acrylic-polymer formulation won't stain even the whitest wall base.

Ultrabond ECO® 811

Universal Carpet Tile Adhesive

Ultrabond ECO 811 is a high-performance, acrylic latex adhesive designed to provide an aggressive tack for installing all types of carpet tile. *Ultrabond ECO 811* provides a secure, releasable adhesive base for standard PVC-backed carpet tile as well as for non-PVC-, polyolefin-, felt- and bituminous-backed carpet tile. It can also be used to bond fiberglass-reinforced vinyl sheet flooring.

Ultrabond ECO® 975

Standard, Urethane Adhesive for Hardwood Flooring

Ultrabond ECO 975 is a 100%-solids, one-component, moisture-cured, urethane adhesive specifically designed for the installation of domestic solid and engineered wood flooring.

Ultrabond ECO® 980

Premium Urethane Adhesive for Hardwood Flooring

Ultrabond ECO 980 is a 100%-solids, one-component, moisture-cured urethane adhesive specifically designed for the installation of domestic and exotic solid and engineered wood flooring, including bamboo.

Ultrabond ECO® 985

Hybrid-Polymer-Based, Moisture-Control and Sound-Reducing Wood-Flooring Adhesive

Ultrabond ECO 985 is MAPEI's premium single-component, hybrid-polymer-based wood-flooring adhesive that is formulated without water, solvents, amines, isocyanates, phthalate plasticizers or epoxy resins, and has an extremely low emission level of volatile organic compounds (VOCs). *Ultrabond ECO 985*'s formulation provides excellent sound-reduction properties that are required for multi-unit housing. *Ultrabond ECO 985* is also a moisture-controlling wood-flooring adhesive that protects wood flooring from moisture vapor emitting through concrete slabs in a single application.

Ultrabond® ECO 987

Modified-Silane-Based, Moisture-Control and Sound-Reduction Wood-Flooring Adhesive

Ultrabond ECO 987 is a thixotropic, modified-silane-based, moisture-control and sound-reduction wood-flooring adhesive. Its unique formulation provides superior trowel-ridge holdout for better transfer to flooring during installation.

Ultrabond ECO® 3185

Premium, Latex Carpet Pad Cement

Ultrabond ECO 3185 latex carpet pad adhesive is a water-based adhesive for fastening carpet padding permanently in place over any flooring surface. It has good initial tack

and high strength to prevent movement of padding during stretching or subsequent use. *Ultrabond ECO 3185* has no solvent added and is nonflammable, making it suitable for use in enclosed environments in occupied buildings.

Ultrabond ECO® MS 4 LVT

Professional, Hybrid-Polymer Adhesive for Resilient Flooring

Ultrabond ECO MS 4 LVT is a moisture-curing, one-component, silane-modified, hybrid-polymer adhesive specifically designed for the direct bonding of vinyl and rubber flooring in interior applications.

Ultrabond® G21

Premium, Two-Part, Urethane Flooring Adhesive

Ultrabond G21 is a two-part, reactive adhesive with low volatile organic compounds (VOCs), designed for extreme indoor and outdoor flooring installations. This adhesive aggressively adheres all types of floor coverings to properly prepared metal, asphalt pavement and many other difficult-to-bond-to substrates.

UltraCare® Enhancing Plus Stone Sealer

UltraCare Enhancing Plus Stone Sealer is a premium, color-enhancing penetrating sealer that enhances the natural colors of stone and provides maximum protection against most common stains. It is safe for use on all interior and exterior natural-stone surfaces, such as marble, limestone, sandstone, slate, granite, travertine and cementitious grout. The product can also be used as a pre-grouting sealer.

UltraCare® Grout Maximizer

Grout Additive for One-Step Grouting and Sealing

UltraCare Grout Maximizer is a neutral-pH, fluoro-based, liquid polymer admixture for *Keracolor® S Sanded Grout* and *Keracolor U Unsanded Grout* Portland-cement-based grouts, to be used in place of water. *UltraCare Grout Maximizer* optimizes resistance to water and oil-based stains, increases grout hardness and improves color consistency.

UltraCare® Grout Release

UltraCare Grout Release is a high-performance sacrificial coating that protects the tile or stone surface from grout stains, improves cleanability and reduces the risk of grout haze or film residue. It can be used for interior and exterior applications on all natural stone (such as marble, limestone, sandstone, slate, granite and travertine), porcelain/ceramic tiles, masonry and quarry tiles.

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® Smooth Silicone

UltraCare Smooth Silicone [NA] is a water-based, innovative spray solution suitable for silicone and urethane sealants as well as acrylic and latex caulks. It increases the speed and ease of finishing the sealant during application and contributes to creating smooth, compact surfaces that will reduce dirt pick-up and the formation of mold. It is suitable for use with sealants and caulks during installation of ceramic tile, porcelain tile, stone and glass tile.

Ultracolor® Plus FA

Rapid-Setting, "All-in-One" Grout

Ultracolor Plus FA – with DropEffect™ technology and CO₂ emissions fully offset in the product's life cycle 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 common problems 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 Max

High-Performance, Rapid-Setting Grout with Maximized Color Depth and Color Consistency

Ultracolor Plus Max is an ultra premium, fast-setting, polymer-modified, nonshrinking grout that offers rich and vibrant colors with maximized color depth and color consistency. This fine-aggregate grout can be used for joint widths from 1/16" to 3/4" (1.5 mm to 19 mm). *Ultracolor Plus Max* includes DropEffect™ technology for reduced surface absorption, helping to repel water, dirt and grime from penetrating grout joints. It is also specially formulated with MAPEI's High-Hydrated Cement Technology (HCT™) to provide advantages over traditional grout, such as eliminating efflorescence and increasing stain resistance.

Ultraflex® LFT™

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

Ultraflex LFT is a premium, nonsag, large-and-heavy-tile 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. This product features a very low emission of volatile organic compounds and includes an offset of greenhouse gas emissions. It is formulated with Easy Glide Technology™ for ease of application.

Ultraplan® Easy

High-Performance, Easy-Preparation, Self-Leveling Underlayment

Ultraplan Easy is a quick-setting, self-leveling underlayment that requires only a clean, soundly bonded, properly prepared and primed substrate before application.

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, Self-Leveling Concrete Topping

Ultratop [NA] is a self-leveling, self-curing, sealed or polished topping that is specially formulated for fast-track resurfacing of horizontal wear surfaces.

Ultratop® SP

High-Performance, Polishable, Self-Leveling Topping for a Fine-Aggregate Finish

Ultratop SP is a polishable, self-leveling, cementitious topping that provides a fine-aggregate exposed finish. *Ultratop SP* is engineered for fast-track resurfacing of horizontal wear surfaces.



NOTES

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, providing a guide for handwriting or typing. The background is a clean, solid white color. There are no margins, text, or other markings present on the page.

NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

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Printed in the USA.

