

# DECORATIVE FLOORINGS

**isomat**

building quality

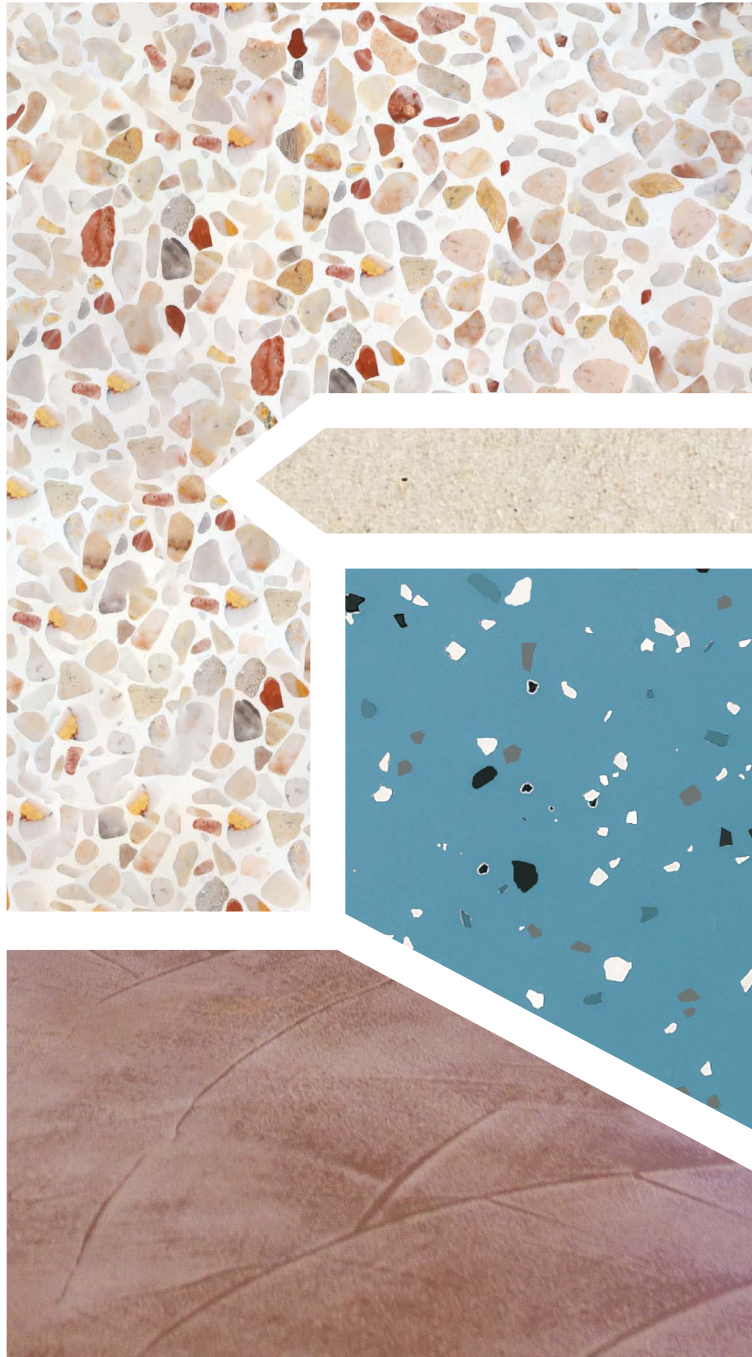
for a sustainable future





# STONE CARPET TERRAZZO

FLAKE FLOORING



BEACH-ENTRY POOLS

**MICROCEMENT &  
ACRYLIC COATINGS**





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## DECORATIVE FLOORINGS BY **ISOMAT**

Architectural finishes play a decisive role in the design and construction of new buildings or the renovation of existing ones. For architects, designers and end users, they are a key element in elevating the style of any project, as they complete or enhance the aesthetic experience of interior and exterior parts of a building. When it comes to floors, decorative coatings must combine resistance to mechanical wear and maximum protection from the elements and UV radiation with a decorative character infused with meaning. Based on its long-standing experience and deep expertise in building materials and in keeping pace with the latest technological advances and architectural trends, **ISOMAT** has developed integrated decorative flooring systems that combine durability and aesthetics with guaranteed results. **ISOMAT** decorative flooring systems provide a great number of advantages, making them a superior choice to other flooring options. Here are 3 key benefits:

- seamless surface with a smooth, sleek look that visually enlarges the space
- absence of joints and gaps, ensuring easy cleaning and optimum hygienic conditions
- poured-in-place flooring that meets the specific architectural design requirements of any space





**ISOMAT** has developed the following decorative flooring systems:

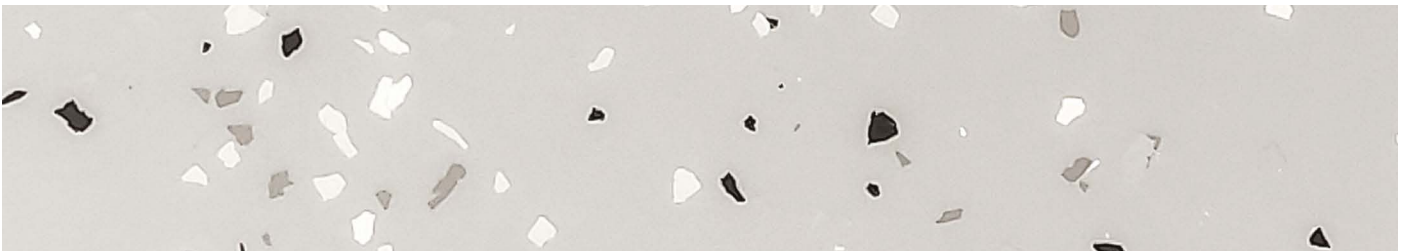
- **Stone Carpet:** Blending seamlessly with the natural surroundings thanks to the naturally occurring colored aggregates.



- **Terrazzo:** Providing a modern take on the vintage aesthetic of traditional terrazzo, becoming one of the top architectural trends.



- **Flake Flooring:** Ideal solution for renovation projects. The use of flakes effortlessly adds character and visual interest to plain resin floor coatings or liquid waterproofing layers, making them stylish and utterly unique.



- **Sand Carpet & Pool Flake Coating:** Beach-entry pool systems either mimicking a beach shore with a finish simulating the texture and color of the sand or offering a variety of stock or custom flake blends to choose from for a special aesthetic effect.



- **Microcement & Acrylic Coatings:** Classically beautiful with timeless appeal, well-suited for minimalist yet inviting spaces where tradition and modernity blend seamlessly.







**Villa Jasmin**

Tunisia







# STONE CARPET

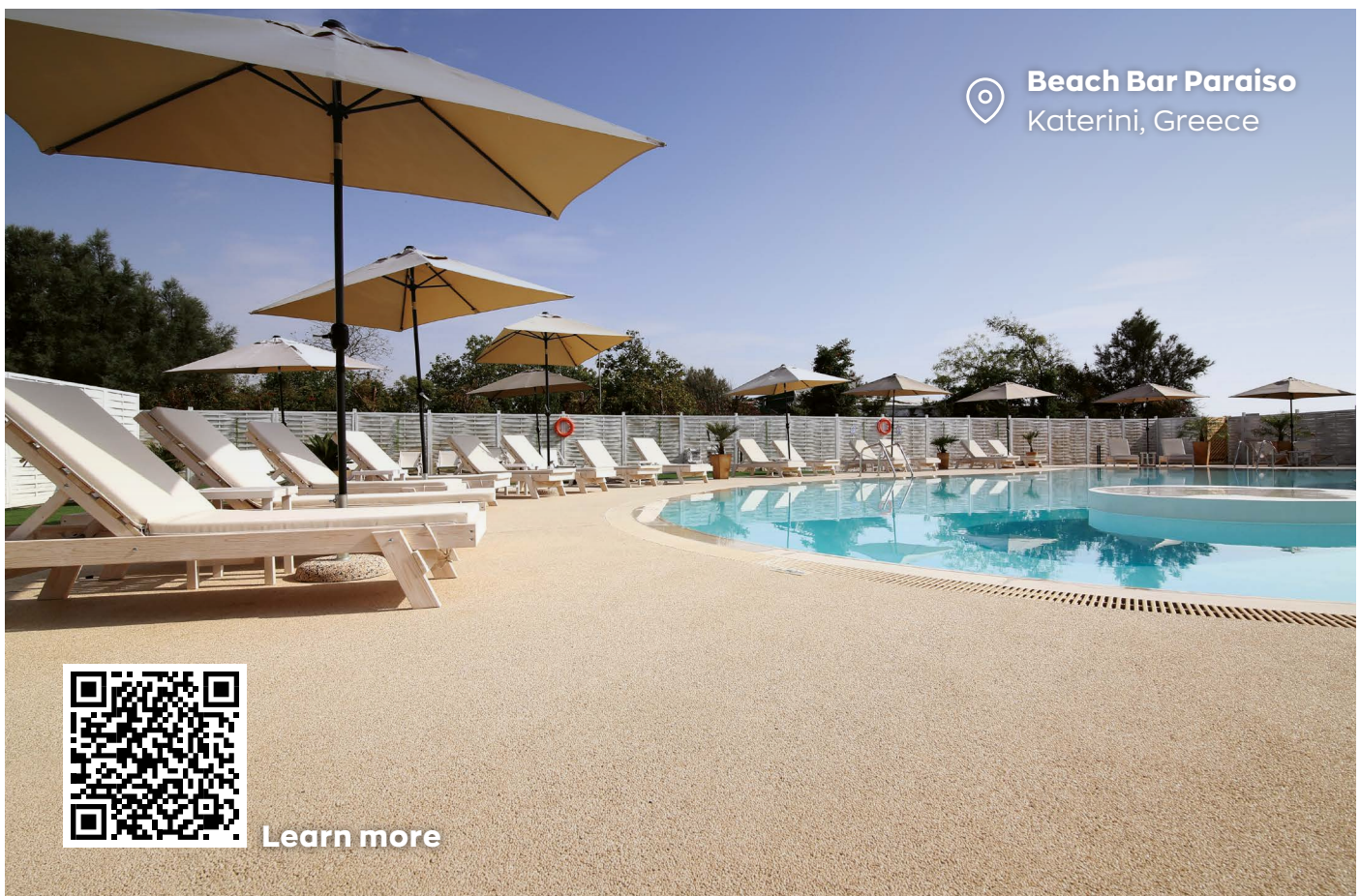


Blending seamlessly with the natural environment, **ISOMAT's Stone Carpet** provides an incredibly durable, slip-resistant and naturally beautiful floor delivering feel, texture, and color to give a style and character not matched by other types of floor coverings. Ideal as a floor covering for pool surrounds, terraces, flat roofs, pathways, garden landscaping, patios, etc., in residential and commercial spaces, indoors and outdoors. Here are the key benefits:

- a safe, non-slip surface, even when wet, thanks to the open pore texture allowing water to pass through
- high resistance to abrasion and mechanical wear
- waterproofing solution for exterior spaces
- weather resistance and UV-stability with non-yellowing properties
- poured-in-place system that meets the specific architectural design requirements of any space
- resistance to common household cleaners, oils, and seawater
- a naturally beautiful and highly aesthetic result along with endless color combinations by mixing the aggregates
- color stability thanks to the use of naturally occurring aggregates
- suitable for prolonged pedestrian and light vehicular traffic

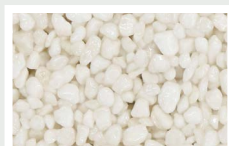
**ISOMAT's** Stone Carpet system includes:

- a special primer
- a polyurethane waterproofing membrane, in case of outdoor application to a slab above basements, on flat roofs, balconies, etc. (for ground slabs, the use of a flexible cementitious slurry or a special epoxy primer is recommended)
- the resin binder **ISOFLEX-PU 650** in gloss finish or **VARNISH-PU 1K** in satin-matt (**VARNISH-PU 1K** is solvent-free, meaning it is ideal for indoor applications)
- **ISOMAT NATURAL COLORED STONES**

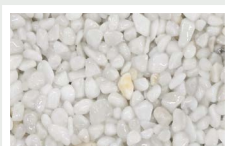




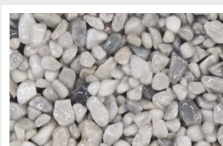
## ISOMAT NATURAL COLORED STONES COLOR CHART



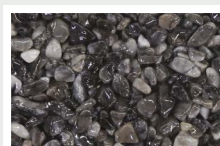
01 Thassos



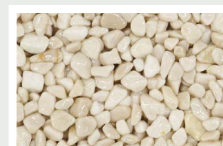
02 Bianco Carrara



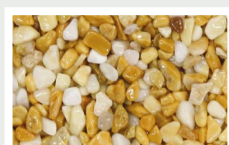
03 Bardiglio



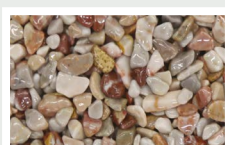
04 Grigio



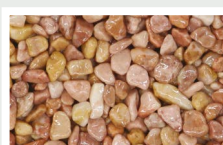
05 Botticino



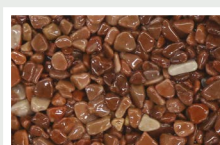
06 Giallo Siena



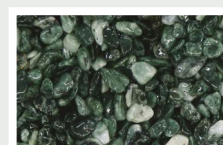
07 Arabescato



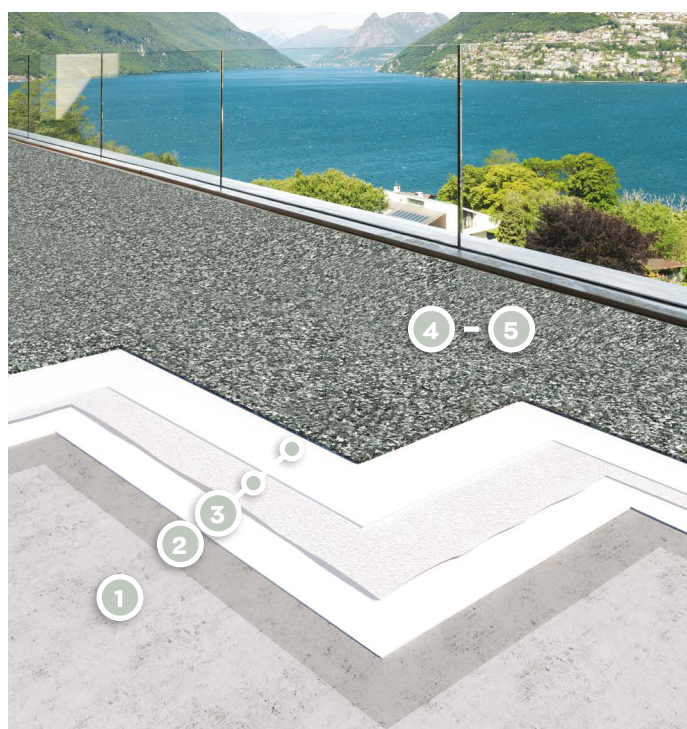
08 Rosa



09 Marrone



10 Verde



### STONE CARPET INSTALLATION ON A BALCONY

5. Optional application of one **ISOFLEX-PU 650** protective layer
4. Application of **ISOFLEX-PU 650** mixed with **ISOMAT NATURAL COLORED STONES**
3. Waterproofing with the polyurethane liquid waterproofing membrane **ISOFLEX-PU 500** (optionally reinforced with polyester fleece, depending on the substrate)
2. Priming with the polyurethane primer for porous substrates **PRIMER-PU 100**
1. Sloping screed



### STONE CARPET INSTALLATION ABOVE UNDERGROUND STRUCTURES (SOLVENT-FREE)

5. Optional application of one **VARNISH-PU 1K** protective layer
4. Application of **VARNISH-PU 1K** mixed with **ISOMAT NATURAL COLORED STONES**
3. Waterproofing with the polyurethane liquid waterproofing membrane **ISOFLEX-PU 550** (optionally reinforced with polyester fleece, depending on the substrate)
2. Priming with the polyurethane primer for substrates with high moisture content **PRIMER-PU 140**
1. Sloping screed









**TERRAZZO**



**Terrazzo** is making a strong comeback, ranking among the top global design and architectural trends with its distinctive vintage aesthetic and the great number of practical benefits offered through the use of high-quality contemporary materials by **ISOMAT**. Delivering incredibly durable, seamless surfaces providing a modern take on an ancient aesthetic, it is ideal for both new-build or refurbishment projects.

Suitable for interior and exterior applications in residential or commercial settings, including hotels, restaurants, walkways, garden landscaping, etc. Here are the key benefits:

- a modern terrazzo look with timeless appeal, making it one of the most sought-after materials by today's forward-thinking architects and designers
- a decorative finish that can be customized to meet specific project needs
- poured-in-place flooring that meets the specific architectural design requirements of any space
- a wide range of color combinations
- a seamless, smooth surface that makes rooms look spacious and ensures better hygiene thanks to easier cleaning while hiding dirt and imperfections compared to monochromatic surfaces
- UV and abrasion resistance for floors guaranteed to stand the test of time
- a non-porous surface, making it ideal for exterior applications
- certified, user- and environment-friendly products, ideal for projects pursuing green building certifications

**ISOMAT's** decorative terrazzo flooring is composed of:

a) **DUROCRET-TERRAZZO** high-strength white cementitious mortar-binder, which can be colored with **ISOMAT DECO-COLOR** high-quality inorganic powder pigments delivering numerous shades, and

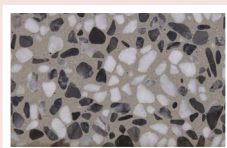
b) **ISOMAT NATURAL COLORED STONES**.



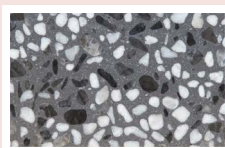
Their combination gives virtually infinite color and design possibilities, satisfying any decor or taste while adding character and visual interest to the project.

The system is sealed and protected by means of polyurethane varnishes, polyaspartic coatings or suitable impregnations, depending on the application method, the required resistance and the desired finish.



INDICATIVE **TERRAZZO** COLOR COMBINATIONS

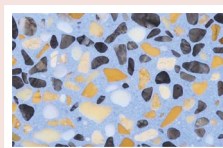
01 Citizen



02 Midnight



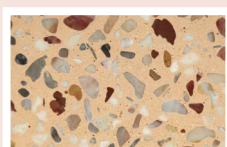
03 Forest



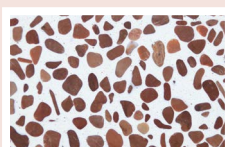
04 Ocean



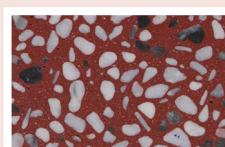
05 Classico



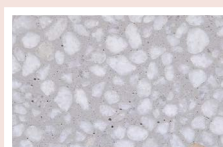
06 Nature



07 Marrone



08 Flame



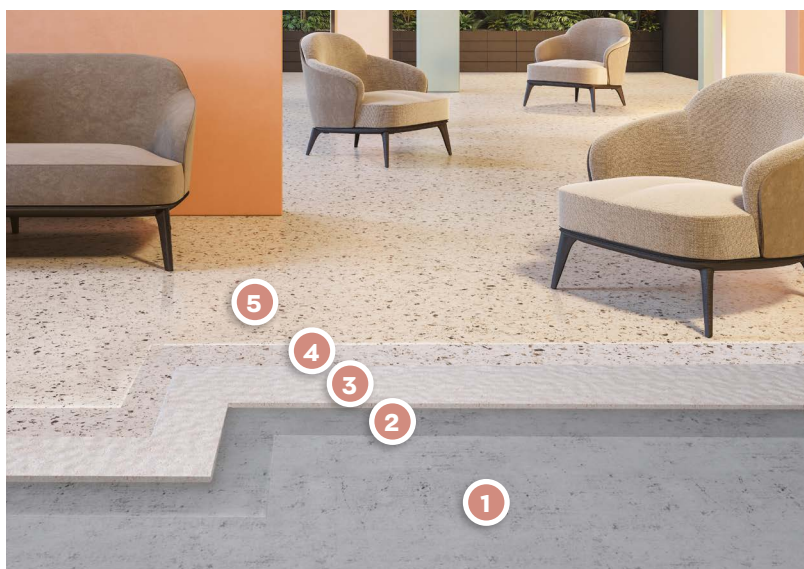
09 Antarctica



10 Mineral

**INDOOR TERRAZZO INSTALLATION**

5. Sealing with the polyurethane varnish **VARNISH-PU 2KW**
4. Surface grinding and polishing
3. Application of **DUROCRET-TERRAZZO** mixed with **ISOMAT NATURAL COLORED STONES**
2. Priming with the acrylic water-based primer **FLEX-PRIMER** (or with **EPOXYPRIMER-500** broadcast with 0.3-0.8 mm quartz sand)
1. Screed

**OUTDOOR TERRAZZO INSTALLATION**

5. Sealing with the polyurethane varnish **VARNISH-PU 2K**
4. Surface grinding and polishing
3. Application of **DUROCRET-TERRAZZO** mixed with **ISOMAT NATURAL COLORED STONES**
2. Waterproofing with the highly flexible brush-on cement-based slurry **AQUAMAT-ELASTIC**
1. Sloping concrete / screed









# FLAKE FLOORING



**ISOMAT's decorative flake flooring** is an utterly unique and ultra-modern option for residential and commercial settings. It is used to decorate and protect new floor surfaces or breathe new life into old, tired-looking ones. Offering ease and speed of application with minimal thickness, it is no wonder that flake flooring is one of the most sought-after solutions when it comes to renovation projects. **ISOMAT DECO-FLAKES** are sprinkled onto the wet layer of the polyurethane, polyaspartic or epoxy floor coating and bond to the wet film to become a permanent part of the coating. Then, the system is sealed with suitable transparent coatings.

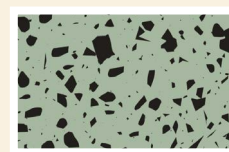


**ISOMAT DECO-FLAKES** add character and visual interest to plain liquid waterproofing layers or resin floor coatings, making them stylish and utterly unique!

Key benefits of **ISOMAT's** decorative flake flooring:

- easy and fast installation with minimal thickness, ideal for renovations
- a customizable look matching any decor through the wide range of possible combinations between a) the color of the floor coating to be applied, b) the color of the flakes, c) the size of the flakes, and d) the broadcast density
- elasticity and resistance to tear and wear, making it suitable even for challenging applications
- waterproofing solution for flat roofs, terraces, balconies, etc.
- exceptional UV-stability with non-yellowing properties, ensuring superior durability even in outdoor applications
- a smooth, seamless finish ensuring easy cleaning while helping hiding dirt and imperfections compared to monochromatic surfaces
- a unique, visually appealing look
- suitable for pedestrian and vehicular traffic, depending on the material used for the base layer
- resistance to common household cleaners, oils, and seawater
- a number of green, user- and environment-friendly products are available for indoor applications, ideal for use in projects pursuing green building certifications



INDICATIVE **FLAKE FLOORING** COLOR COMBINATIONS**INDOOR FLAKE FLOORING  
INSTALLATION**

5. Sealing with the polyurethane water-based varnish **VARNISH-PU 2KW**
4. Broadcasting of **ISOMAT DECO-FLAKES**
3. Coating with the epoxy water-based paint **EPOXYCOAT-W**
2. Priming with the epoxy water-based paint **EPOXYCOAT-W** (diluted 20% with water by weight)
1. Screed

**BALCONY WATERPROOFING  
& FLAKE FLOORING**

6. Sealing with the transparent polyurethane waterproofing membrane **ISOFLEX-PU 650**
5. Broadcasting of **ISOMAT DECO-FLAKES**
4. Coating with the elastic, UV-stable, polyurethane protective coating **TOPCOAT-PU 720**
3. Waterproofing with the polyurethane liquid waterproofing membrane **ISOFLEX-PU 500** (optionally reinforced with polyester fleece, depending on the substrate)
2. Priming with the polyurethane primer for porous substrates **PRIMER-PU 100**
1. Sloping screed







A photograph of a swimming pool with a sandy beach area. In the foreground, there are large, dark, textured rocks and a small patch of light-colored gravel. The pool water is a clear, light blue-green color. A small wooden dock with two vertical posts is in the pool. The background is filled with dense green foliage. The text "BEACH-ENTRY POOLS" is overlaid on the right side of the image.

# BEACH-ENTRY POOLS



**Beach-entry pools**, also known as **zero-entry pools**, are becoming a dominant architectural trend gaining prominence all over the world thanks to their high-end aesthetic. They are mostly found in boutique hotels and luxury villas where a personalized, upscale experience is an absolute must. With a gradual entry mimicking a beach shore and a finish simulating the texture and color of the sand, beach-entry pools are a swimming oasis that can be enjoyed anywhere and by anyone. Unlike traditional swimming pools, beach-entry pools blend a stunning aesthetic with innovative functionality with the freeform design replacing pool steps and ladders in the pool entry with a gentle slope, delivering a seamless transition from the deck into the water. Plus, the use of proper materials will create a beach atmosphere with a natural finish.

For the construction of a beach-entry pool, **ISOMAT** has developed the following systems to be applied after positive and negative side waterproofing is done:

- **Sand Carpet:** This system delivers the ultimate beach-like sand feel and texture to pool surrounds. For its application, it is necessary to apply **EPOXYCOAT-S** epoxy coating in **RAL 1013 (Oyster White)** to the pool interior and exterior surfaces. For the pool entry and surrounding area only the application of the Sand Carpet system is recommended. To create a Sand Carpet, quartz sand is broadcast to saturation over the last epoxy coating layer and then the system is sealed with **VARNISH-PU 2K** polyurethane varnish.
- **Pool Flake Coating:** This system is applied to the pool interior, walls and bottom where flakes of different colors or color combinations can be used, delivering a wide variety of beautiful effects to choose from. **ISOMAT DECO-FLAKES** are broadcast to saturation over the wet layer of the epoxy coating selected (examples are **DUROFLOOR-PSF** epoxy primer or **DUROFLOOR-R** epoxy coating). The beige color can be used to bring the look of actual beach sand or, for a more impressive result, a white-to-dark blue gradient can be incorporated going from the entry point to the shallow and deeper ends of the pool. Finally, the system is sealed with **VARNISH-PU 2K** transparent polyurethane varnish.

Key benefits of **ISOMAT** beach-entry pool systems:

- a premium, visually stunning result that blends perfectly with the surrounding landscape
- a custom freeform shape offering unparalleled design flexibility
- a realistic beach sand feel without the hassle and mess of actual sand
- seamless surfaces ensuring optimum hygienic conditions
- a non-slip finish for added safety
- resistance to UV radiation and long-lasting performance
- various color combinations available to mimic the appearance of a natural body of water
- no more ladders or steps, ideal for children and people with disabilities
- a beach shore style pool, perfect for a number of leisure activities

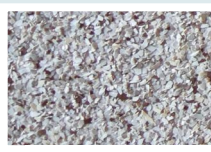




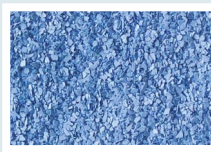
## ISOMAT DECO-FLAKES INDICATIVE COLORS



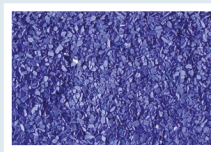
1500 White



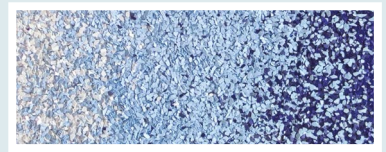
8000 Sand Beige



6080 Light Blue

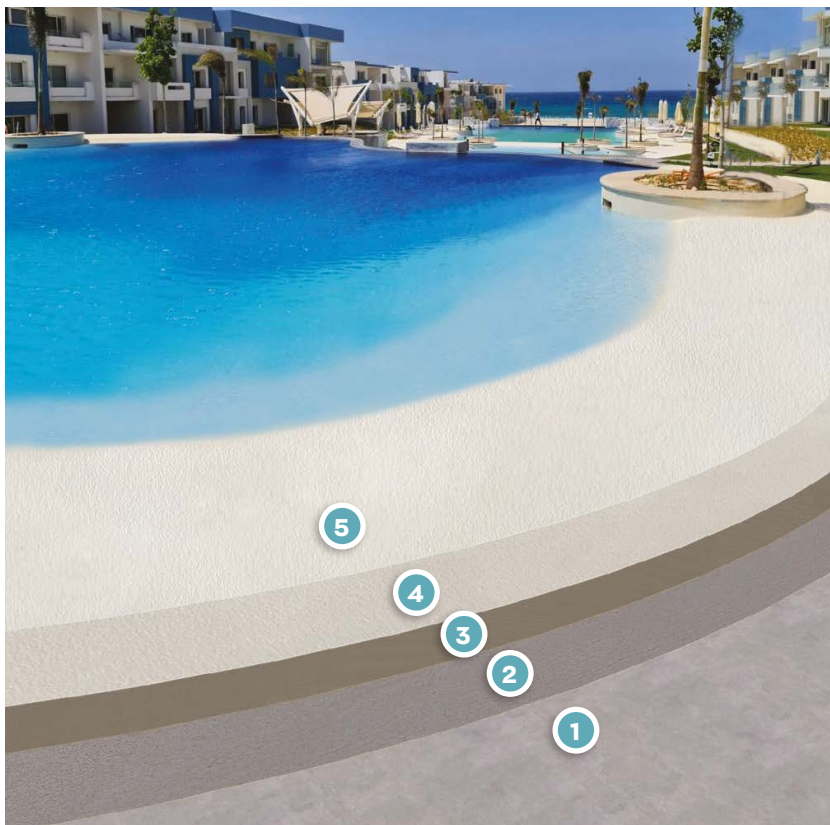
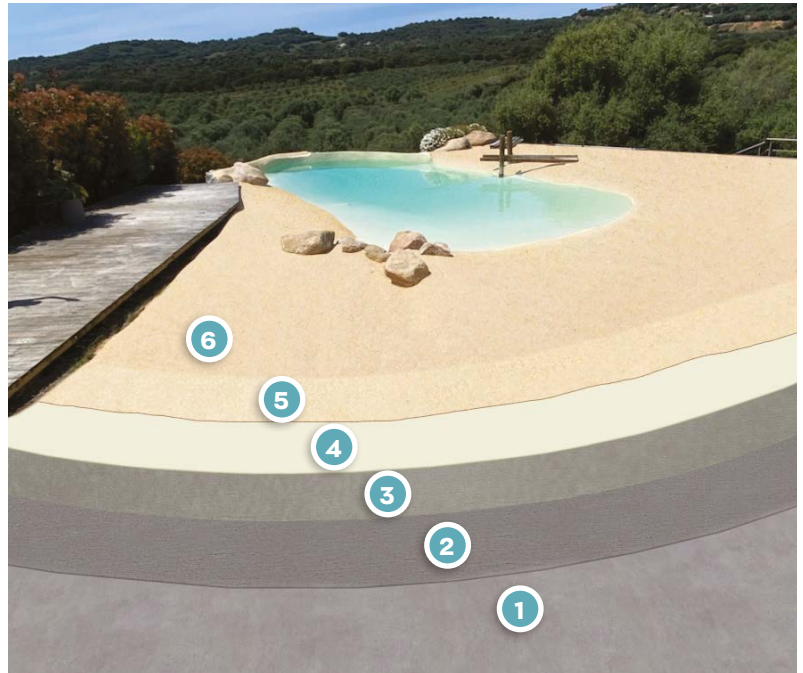


6200 Dark Blue

Indicative  
white-to-dark blue gradient

## SAND CARPET SYSTEM

6. Sealing with the polyurethane varnish **VARNISH-PU 2K**
5. **M32** quartz sand (0.1-0.4 mm) broadcast to saturation
4. Coating with the epoxy paint for swimming pools **EPOXYCOAT-S**
3. Priming with the epoxy water-based primer **EPOXYPRIMER-500**
2. Waterproofing with the highly flexible brush-on cement-based slurry **AQUAMAT-ELASTIC**
1. Sloping concrete / screed



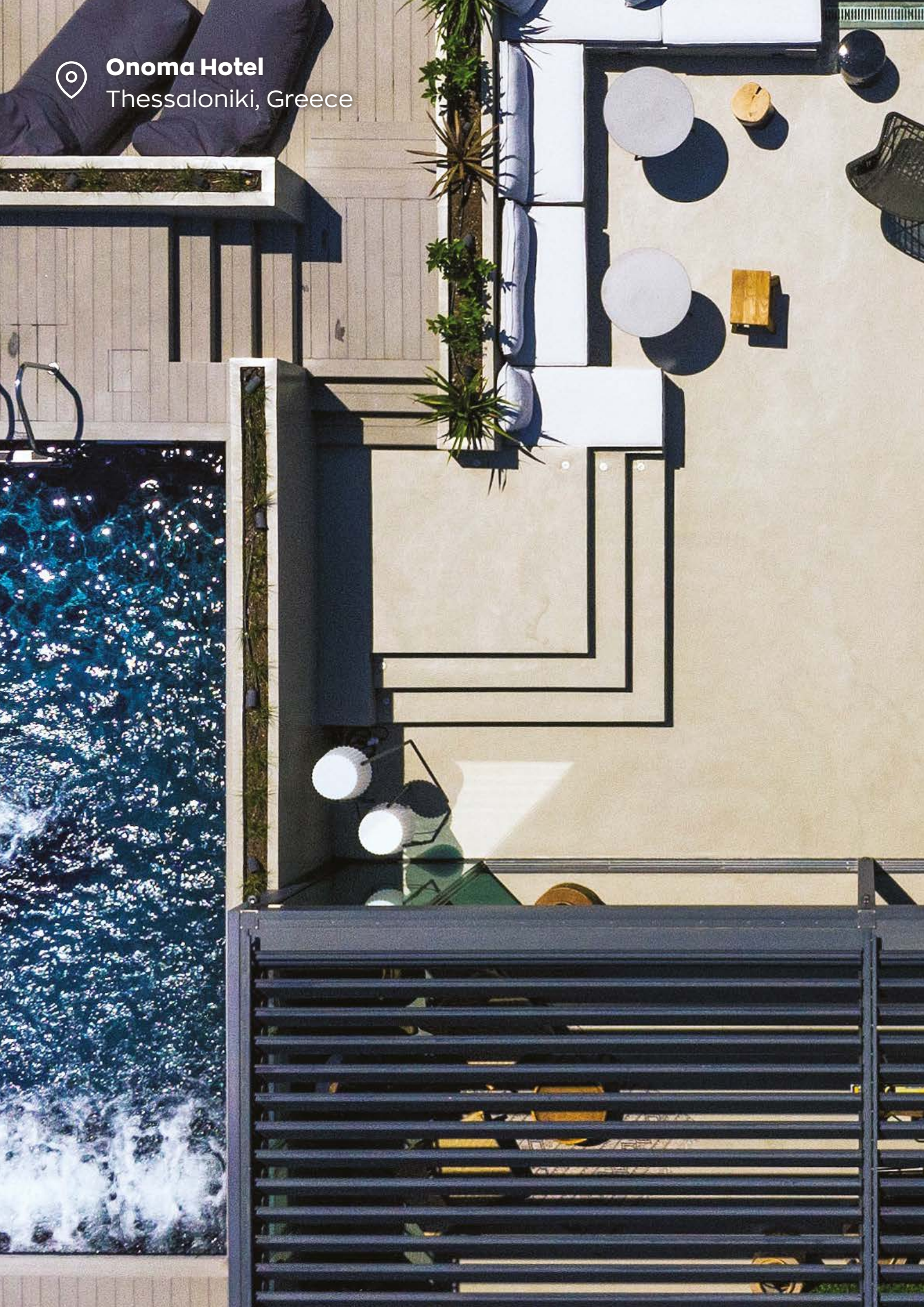
## POOL FLAKE COATING SYSTEM

5. Sealing with the polyurethane varnish **VARNISH-PU 2K**
4. **ISOMAT DECO-FLAKES** broadcast to saturation
3. Priming with the epoxy primer **DUROFLOOR-PSF**
2. Waterproofing with the highly flexible brush-on cement-based slurry **AQUAMAT-ELASTIC**
1. Sloping concrete / screed





**Onoma Hotel**  
Thessaloniki, Greece





An aerial photograph of an outdoor patio area. In the center, there are two round tables, one white and one light blue, each surrounded by chairs. A potted plant sits in the middle of each table. The patio is bordered by a dark blue metal railing. The background is a light-colored wall. The text 'MICROCEMENT & ACRYLIC COATINGS' is overlaid on the right side of the image.

# MICROCEMENT & ACRYLIC COATINGS





Deeply rooted in the Mediterranean architecture, **microcement** is continuously evolving, playing a leading part in modern construction worldwide. Designed to create minimalist yet inviting spaces infused with character and authenticity, it should come as no surprise that microcement is the preferred choice when it comes to new-build and refurbishment projects for hotels. It is a versatile material specifically designed to adapt perfectly to the most demanding requirements and the specific needs of each project while being environmentally friendly. Microcement offers unlimited design possibilities through the wide variety of colors, effects and textures, creating elegant spaces where tradition and modernity blend seamlessly.

Microcement offers numerous benefits, which can be enhanced when overcoating with suitable protective varnishes. Here are the key benefits:

- a continuous, monolithic surface visually enlarging the space
- suitable for a large number of indoor and outdoor applications, including floors, walls, stairwells, built-in furniture and sanitary ware
- water-repellency, making it suitable for outdoor spaces and wet areas
- long-term durability
- smooth, jointless surface, enabling ease of cleaning
- anti-slip finish option is possible if needed
- colorable in a wide range of colors
- suitable for use with underfloor heating
- ideal for renovation projects, as it is applied in thin layers and shows excellent adhesion to various substrates (old tile layers, wood, gypsum board, etc.)
- highly aesthetic, bespoke surfaces obtained through the broad array of colors, effects and textures
- composed of certified, environment- and user-friendly products
- handcrafted application favoring a unique result in each space



**ISOMAT** has developed two product families, the **DUROCRET-DECO** and **ACRYL-DECO** families, both of which deliver unique, high decorative value finishes that can transform any space. The **DUROCRET-DECO** family includes microcement coatings that come in powder form and can be colored with the addition of high-quality powder pigments. The **ACRYL-DECO** family includes acrylic, pasty, ready-to-use coatings that can be colored in-store through the **ISOMAT COLOR SYSTEM** tinting system. Microcement coatings are selected when an earthy, more calming feel is desired while acrylic coatings constitute the most well-suited choice for an ultra-smooth finish. **DUROCRET-DECO FLEX** and **DUROCRET-DECO FINISH** are certified, environment- and user-friendly products, while acrylic coatings are ideal for those applications where high elasticity is a critical consideration.

Microcement is a two-layer coating system consisting of a reinforced base coat and a finishing coat. The system is sealed with polyurethane varnishes or polyaspartic coatings featuring excellent mechanical strength and resistance to UV radiation and adverse weather conditions. They are available in satin-matt, satin and gloss finishes, depending on the desired aesthetic result of the project. For a slip-resistant finish, after the application of the main varnishes, the anti-slip, UV-stable, transparent, two-component, polyurethane protective varnish **VARNISH-PU ANTI-SLIP** (satin) should be used.



### DECORATIVE ACRYLIC COATINGS

5. Sealing with the polyurethane water-based varnish **VARNISH-PU 2KW**
4. Application of the decorative acrylic base and finish coat **ACRYL-DECO SOLO** for a smooth finish
3. Application of the coarse acrylic base coat **ACRYL-DECO BASE**, reinforced with a special 160 g/m<sup>2</sup> fiberglass mesh
2. Priming with the acrylic water-based primer **FLEX-PRIMER**
1. Screed



### MICROCEMENT COATINGS

6. Sealing with the polyurethane varnish **VARNISH-PU 2K**
5. Impregnation with the acrylic varnish **VS-W**
4. Application of the extra fine-grained, colored microcement coating **DUROCRET-DECO FINISH**, for a smooth finish
3. Application of the flexible, colored microcement coating **DUROCRET-DECO FLEX**, reinforced with a 160 g/m<sup>2</sup> fiberglass mesh
2. Waterproofing with the highly elastic brush-on cement-based slurry **AQUAMAT-ELASTIC**
1. Sloping screed





## DUROCRET-TERRAZZO

High-strength cementitious mortar-binder for modern **Terrazzo** floors.

## ISOMAT NATURAL COLORED STONES

Natural colored stones for **Stone Carpet** and **Terrazzo** floors.



## ISOMAT DECO-COLOR

High-quality inorganic powder pigments for coloring mortars and concrete.



## DUROCRET-DECO FLEX & DUROCRET-DECO FINISH

Decorative microcement coatings for floors, walls and built-in furniture. Colorable with **ISOMAT DECO-COLOR** pigments, delivering a wide range of colors.



## ACRYL-DECO BASE, ACRYL-DECO SOLO & ACRYL-DECO FINISH

Acrylic, pasty decorative coatings. Tintable to a wide range of colors through **ISOMAT COLOR SYSTEM**.



## VARNISH-PU 2KW

Water-based, UV-stable, transparent, 2-component polyurethane varnish.



Satin-matt finish



## VARNISH-PU 2K

UV-stable, transparent, 2-component polyurethane varnish.



Gloss or Satin finish



## VARNISH-PU 1K

Solvent-free, UV-stable, transparent, one-component polyurethane varnish & **Stone Carpet** binder, ideal for indoor use.



Satin-matt finish



## VARNISH-PU ANTI-SLIP

Anti-slip, UV-stable, transparent, 2-component polyurethane varnish.



Satin finish





### ISO FLEX-PU 500

One-component, polyurethane, liquid waterproofing membrane.



### ISO FLEX-PU 650

Transparent, UV-stable, one-component, polyurethane, liquid waterproofing membrane & Stone Carpet binder.



### ISO FLEX-PU 550

Solvent-free, 2-component, polyurethane liquid waterproofing membrane.



### TOPCOAT-PU 720

Pigmented, elastic, UV-stable, one-component, polyurethane protective coating.



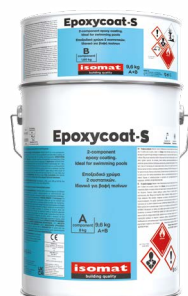
### DUROFLOOR-R

2-component, roller-applied epoxy coating.



### DUROFLOOR-PSF

2-component, transparent, solvent-free epoxy primer.



### EPOXYCOAT-S

2-component epoxy coating. Ideal for swimming pools.



### EPOXYCOAT-W

2-component, water-based epoxy coating.



### ISOMAT DECO-FLAKES

Decorative flakes for Flake Flooring and Pool Flake Coating systems.



### M32

Quartz sand of special particle size distribution for Sand Carpet floors.





**ISOMAT** is a multinational Group specializing in the development and manufacture of building chemicals, mortars and paints. For 45 years now, **ISOMAT** has been making a history of quality, reliability, deep expertise and continuous business growth. **ISOMAT** Group has three production plants; one in the parent company in Greece and two in its subsidiaries in Romania and Serbia. In addition, it has three commercial subsidiaries in Germany, Bulgaria, and Slovenia, and its wide product portfolio is available in over 80 countries worldwide.

**ISOMAT** is committed to innovation and the continuous development of new product solutions that enable sustainable construction. By drawing on scientific knowledge, its dedicated R&D team of highly qualified experts at 7 R&D centers and 3 Quality Control labs in Greece and abroad have as their mission to optimize existing products and develop every year a great number of pioneering products and best-in-class solution systems in line with the ever-changing market needs and the latest technological developments in the construction industry.

Sustainability is a strategic priority for **ISOMAT** and that is why we have added to our logo the tagline “**For a sustainable future**”, serving as a pledge of our commitment to this cause. With a clear aim to actively play our part towards a more sustainable future, we make sure that the products we develop, the manufacturing process, and the actions in which we participate are environmentally and socially responsible. Our products are produced through optimized processes that minimize negative environmental impact by conserving energy and water while limiting greenhouse gas emissions. Recycling and efficient waste management are also key priorities for us. This is how we significantly reduce our environmental footprint every year. We move forward along the path to sustainability by developing and producing more and more high-quality products that contribute to a healthy living and working environment. These products have been awarded internationally recognized certifications for both their technical characteristics and their friendliness towards applicators, end users, and the environment. Such certifications are EMICODE®, Indoor Air Comfort GOLD, Blue Angel and EU Ecolabel. Staying true to continually reducing our environmental footprint, **ISOMAT** has developed EPDs to improve transparency and carefully monitor the life cycle of its products to ensure compliance with established processes. **ISOMAT** is the first Greek company to have such an extensive EPD portfolio covering a wide range of materials and integrated systems for every construction need. In view of the above, it is clear why **ISOMAT** products are selected as the main materials in major projects pursuing green building certifications such as LEED, BREEAM, etc. Opting for green, certified building materials is a step towards sustainable construction and a more sustainable future for all of us!









for a sustainable future

**ISOMAT S.A.**  
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