

DECORATIVE FLOORINGS

isomat

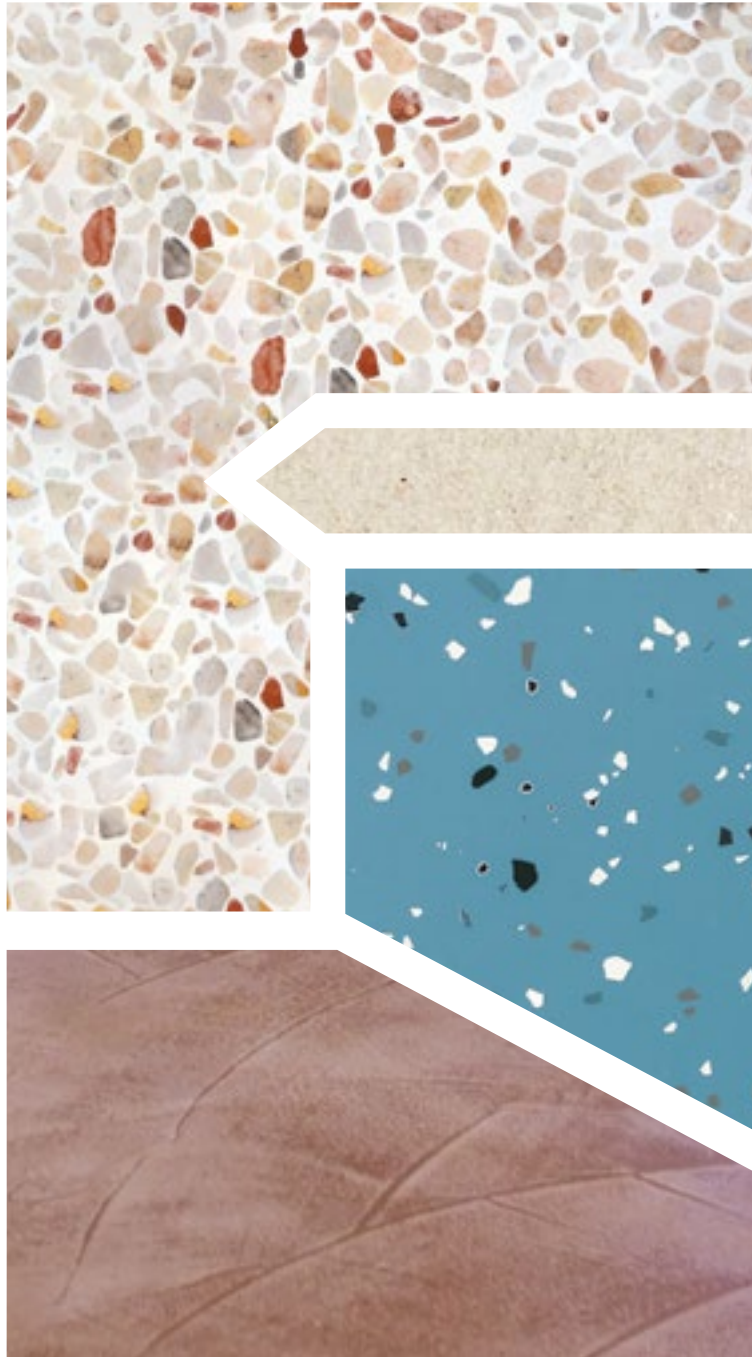
building quality

for a sustainable future



STONE CARPET TERRAZZO

FLAKE FLOORING



BEACH-ENTRY POOLS

MICROCEMENT &
ACRYLIC COATINGS



CONTENTS

DECORATIVE FLOORINGS BY ISOMAT		1
STONE CARPET		3
TERRAZZO		7
FLAKE FLOORING		11
BEACH-ENTRY POOLS		15
MICROCEMENT & ACRYLIC COATINGS		19
SYSTEM PRODUCTS		23

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, which combine durability and aesthetics with guaranteed results. **ISOMAT** decorative flooring systems provide a great number of advantages that make them a superior choice to other flooring options. Here are the 3 key benefits:

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

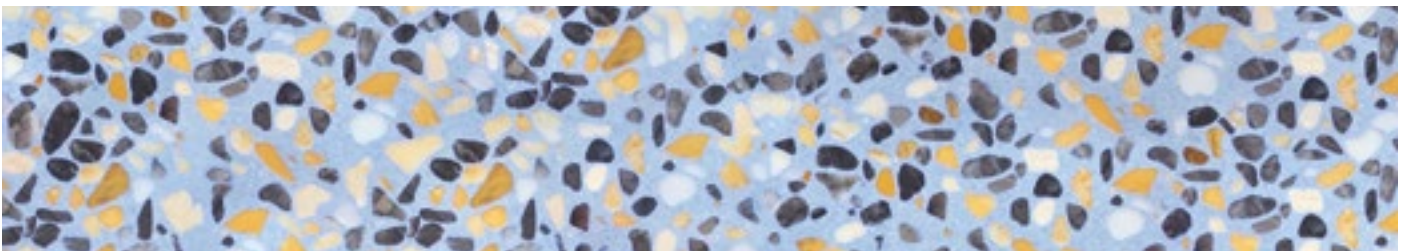


ISOMAT has developed the following decorative flooring systems:

- **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





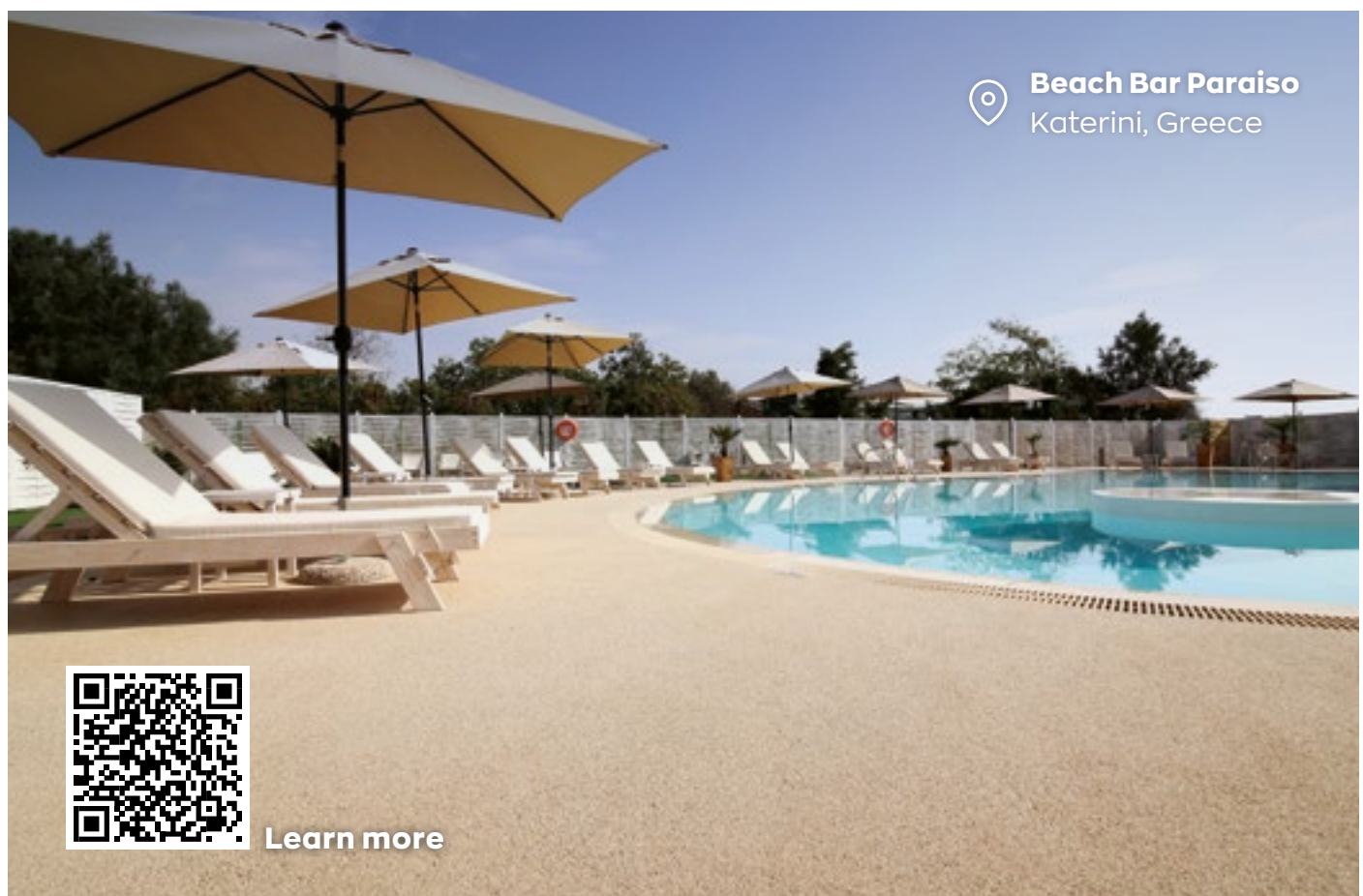
STONE CARPET

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. It provides the following benefits:

- a 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, able to meet 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



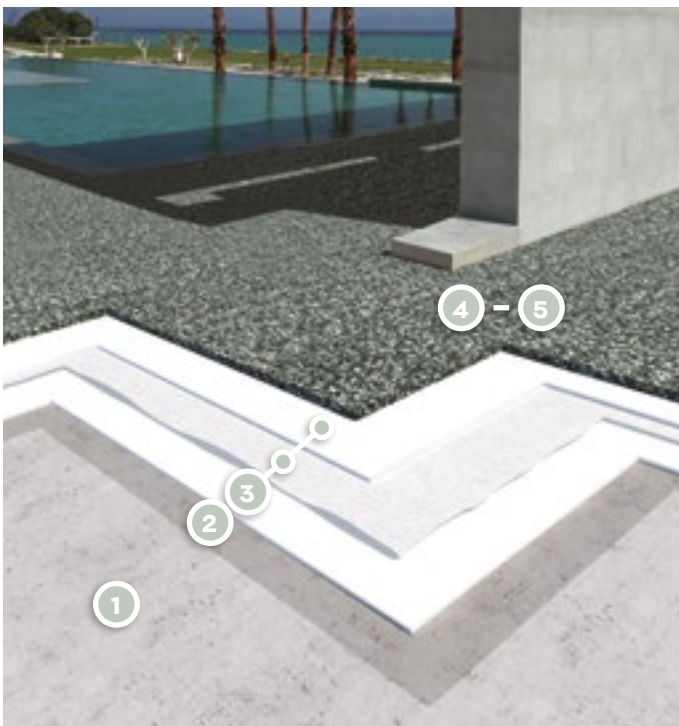
08 Rosa



09 Marrone



10 Verde



STONE CARPET INSTALLATION IN SWIMMING POOL SURROUNDS

5. Optional application of one **ISOFLEX-PU 650** layer for enhanced mechanical properties
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



OUTDOOR STONE CARPET INSTALLATION (SOLVENT-FREE)

5. Optional application of one **VARNISH-PU 1K** layer for enhanced mechanical properties
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, monolithic 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 spaces, including hotels, restaurants, walkways, garden landscaping, etc. It provides the following 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, able to meet 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

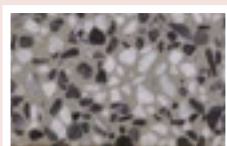
b) **ISOMAT NATURAL COLORED STONES**.



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

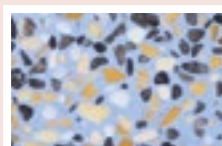
01 Citizen



02 Midnight



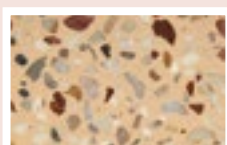
03 Forest



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**
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



A modern kitchen interior featuring light wood-grain cabinets, a white countertop, and a blue backsplash. A blue speckled floor is visible in the foreground. On the countertop, there is a sink with a curved faucet, a moka pot, and a wooden cutting board. Above the countertop, a white shelf holds various white ceramic items, including vases and plates. A green plant hangs from the shelf on the left. The text 'FLAKE FLOORING' is overlaid on the right side of the image.

FLAKE FLOORING



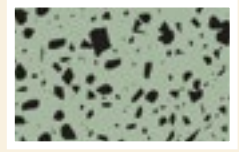
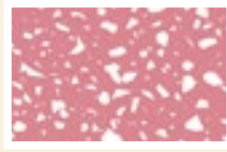
ISOMAT's decorative flake flooring is an utterly unique and ultra-modern option for residential and commercial spaces. It is used to decorate and protect new floor surfaces or breathe new life into old, tired-looking ones. Offering ease and speed of application with minimal thickness, it is no wonder 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 transparent topcoats.



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

ISOMAT's decorative flake flooring offers a great number of benefits, which can be summarized as follows:

- 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
- 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 modern outdoor swimming pool with a sandy beach area, large rocks, and a wooden dock. The pool is surrounded by lush greenery and a concrete deck. The water is clear and blue, reflecting the surrounding environment. The sandy beach area is in the foreground, with large, smooth rocks scattered along the edge. A wooden dock with two vertical posts is in the middle of the pool. The background is filled with dense green trees and bushes.

BEACH- ENTRY POOLS

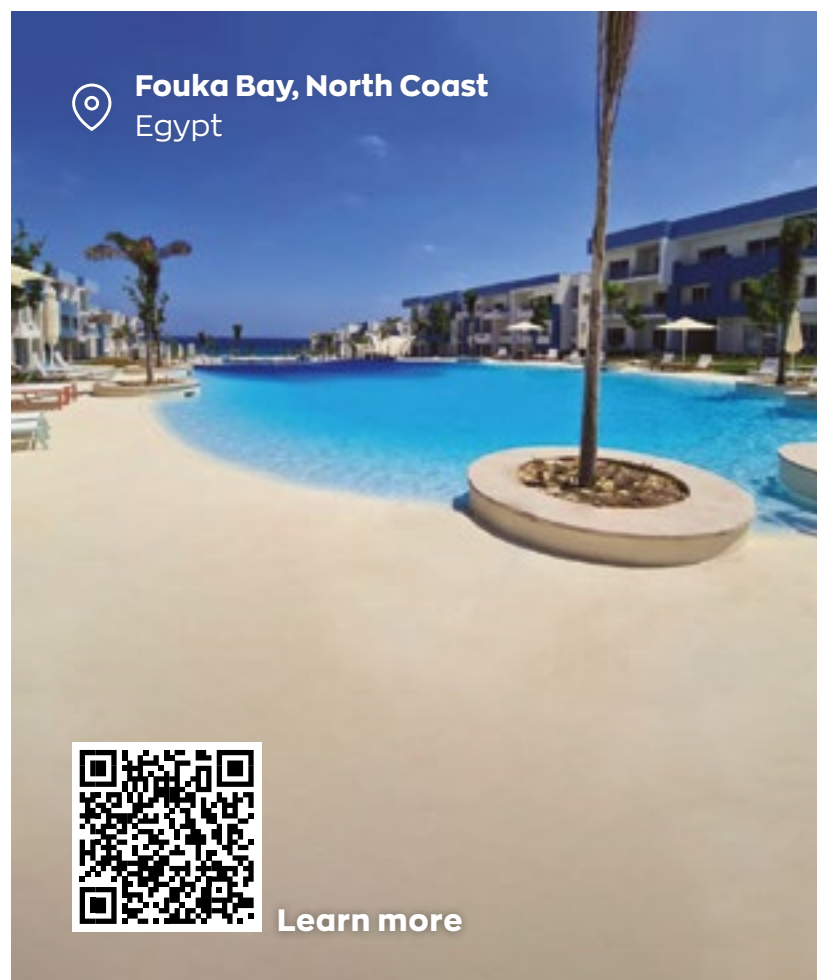
Beach-entry pools, also known as **zero-entry pools**, are becoming a dominant architectural trend gaining prominence all over the world thanks to their high-end aesthetic. They are mostly found in boutique hotels and luxury villas where a personalized, upscale experience is an absolute must. With a 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.

ISOMAT beach-entry pool systems provide a great number of benefits:

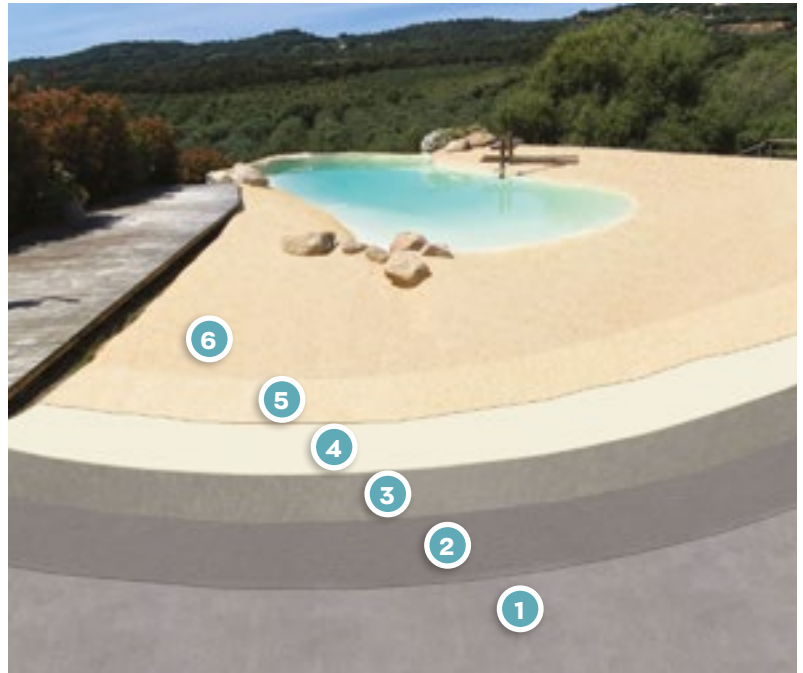
- a premium, visually stunning result that blends perfectly with the surrounding landscape
- a freeform shape offering unparalleled design flexibility
- a realistic beach sand feel without the hassle and mess of actual sand
- seamless surfaces ensuring optimum hygienic conditions
- a non-slip finish
- resistance to UV radiation and long-term durability
- the possibility to create a pool that appears as a natural body of water through the color combinations available
- easy access for everyone, ideal for children and people with disabilities
- a beach shore style pool, perfect for a number of leisure activities





POOL WATERPROOFING & 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 WATERPROOFING & 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





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, especially in spaces where there is a heavy presence of water and the risk of slipping is increased, such as bathrooms and swimming pools
- colorable in a wide range of colors
- 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.)
- a highly aesthetic, customized result 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

Microcement delivers unique, high decorative value finishes through the use of either microcement coatings or pasty acrylic coatings. **ISOMAT** has developed two product families to cover both cases; the **DUROCRET-DECO** and **ACRYL-DECO** families. 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 at the points of sale 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/m² 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/m² 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



ISOFLEX-PU 500

One-component, polyurethane, liquid waterproofing membrane.



ISOFLEX-PU 650

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



ISOFLEX-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 Greek multinational Group specializing in the development and manufacture of building chemicals, mortars and paints. For over 40 years, **ISOMAT** has been making a history of quality, reliability, deep expertise and continuous business growth. **ISOMAT** Group has three production units; one in the parent company in Greece and two in its subsidiaries in Romania and Serbia. In addition, it has 5 commercial subsidiaries in Germany, Russia, Turkey, Bulgaria, and Slovenia and exports to 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 in the 7 R&D centers and the 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

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CERTIFIED COMPANY

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