

# MICRO CEMENT COATINGS

A MODERN  
CHOICE  
BASED ON  
TRADITION



**isomat**

building quality

for a sustainable future





Given its long experience and expertise, **ISOMAT** has developed an exceptional decorative product delivering a durable modern finish with timeless appeal, giving spaces authenticity and sophistication.

**ISOMAT** microcement coatings offer the opportunity to create minimalist yet welcoming spaces with a variety of looks and finishes – monolithic, multi-geometric, with soft textures, a marble effect finish or more often a polished concrete look – while being environmentally friendly.

## benefits of microcement coatings

- Continuous, monolithic surface
- Abrasion resistance
- Water-repellency
- High resistance to aging
- Thin-layer application & excellent adhesion to various substrates - Ideal renovation solution
- Smooth, easy-to-clean surface
- Colorable to a wide range of colors
- Easy application by highly skilled installers
- Applicable to heated floors
- Used in plenty of applications (floors, walls, furniture, bathrooms, kitchens - indoors and outdoors)
- Highly aesthetic, customized finish through the wide range of colors, effects and products of your choice
- Anti-slip finish option is also available
- Certified products, environment- and user-friendly





# DUROCRET-DECO FLEX

Flexible, fiber-reinforced, polymer-modified, decorative microcement coating for floors, walls and built-in furniture

## Benefits

- High abrasion resistance
- Flexibility and resistance to expansion-contraction and vibration
- No need to be enhanced with resins



S-P-06172 EPD  
environdec.com

**Consumption**  
~ 1.5 kg/m<sup>2</sup>/mm  
of layer thickness

**Packaging**  
25 kg bags



# DUROCRET-DECO

Fiber-reinforced, polymer-modified, decorative microcement coating for walls

## Benefits

- Strong adhesion to the substrate
- Water-repellency
- Applicable to walls made of gypsum board or cement board and floors with the addition of the elastifying agent ADIFLEX-B



**Consumption**  
~ 1.5 kg/m<sup>2</sup>/mm  
of layer thickness

**Packaging**  
25 kg bags

## Colors

The above two products are available in the same colors as DUROCRET-DECO FINISH. Take a look at them on pp. 8-9.





Built-in furniture made with imagination

# DUROCRET-DECO FINISH

Extra fine-grained, polymer-modified, decorative microcement coating for floors, walls and built-in furniture

### Benefits

- Smooth finish
- High abrasion resistance
- Water-repellency
- Unique aesthetic effect
- No need to be enhanced with resins



S-P-06172 EPD  
environdec.com

**Consumption**  
~ 1.4 kg/m<sup>2</sup>/mm  
of layer thickness

**Packaging**  
25 kg bags



### Ready-made colors



White



Light Grey



Grey

**\* Due to printing processes, the colors shown in this brochure may vary from the final result. To ensure the desired color, a test application is recommended.**

### Colors

White can be colored with ISOMAT DECO-COLOR powder pigments, delivering a wide range of colors. Take a look at our recommended colors on pp. 8-9.



Very low VOC emissions, setting even higher and stricter limit values.





Corporate offices, Thessaloniki, Greece



Your decoration “ally”

# ISOMAT DECO-COLOR

## Pigments in powder form

ISOMAT DECO-COLOR pigments are high-quality inorganic pigments used for coloring mortars and concrete, delivering a broad array of colors.

Ideal for coloring DUROCRET-DECO, DUROCRET-DECO FLEX, and DUROCRET-DECO FINISH decorative microcement coatings and DUROCRET-TERRAZZO high-strength cementitious mortar-binder.

They can also be added to any other cement mortar (e.g. MARMOCRET-PLUS renders etc.) or any resin cement mortar (e.g. DUROCRET-DECO EPOXY, DUROFLOOR-PUC MF6, etc.) that needs to be colored. Also suitable for any other mortar or concrete to be prepared on site.

Suitable for both indoor and outdoor use.

Try making different pigment combinations to create unique, inspiring spaces.



## Consumption

Depending on the color

## Packaging

250 g plastic container  
(5 x 50 g bags of pigment)

## Colors

Available in 10 selected colors, which can be combined together, allowing for a wide range of colors.

Take a look at our recommended colors on the following two pages.



Recommended colors of DUOCRET-DECO FLEX, DUOCRET-DECO & DUOCRET-DECO FINISH

|   |   |   |   |  |   |   |
|---|---|---|---|--|---|---|
|    |    |    |    |    |    |    |
| E1  | L1  | K1  | B1  | E1-N1  | C1-L1   | C1  |
|    |    |    |    |    |    |    |
| E4  | E1-L2   | E1-K2   | A1  | C1-E1  | C2-M1   | C3  |
|    |    |    |    |    |    |    |
| E2-L1   | E1-L1   | K1-L1   | A2  | C1-E2  | C4-M1   | C4  |
|   |   |   |   |   |   |   |
| E4-L1   | D1-E2   | D1  | B4-M1   | C1-M1  | C5-M1   | C2-E1   |
|  |  |  |  |  |  |  |
| E6-M3   | D1-E4   | K3  | K1-L4   | D2-E1  | C3-L1   | C3-E1   |
|  |  |  |  |  |  |  |
| A1-M4   | E1-L4   | K4-L1   | A4-D1   | D4-E1  | C4-L1   | C4-E1   |

A: Brick Red, B: Red-brown, C: Black, D: Dark Brown, E: Ocher, F: Green, K: Purple, L: Light Brown, M: Orange, N: Aegean Blue

colored with **ISOMAT DECO-COLOR**

|   |   |
|---|---|
|    |    |
| C1-N1   | N1  |
|    |    |
| C2  | N2  |
|    |    |
| C2-N1   | N4  |
|   |   |
| E1-N3   | F1  |
|  |  |
| E1-N4   | F2  |
|  |  |
| C1-N4   | F4  |

\* Due to printing processes, the colors shown above may vary from the final result.  
To ensure the desired color, a test application is recommended.  
\* For more colors, try combining different pigments.

**COLOR CODES -  
DOSAGE FOR WHITE MORTAR**

Each color is assigned a specific code name consisting of Latin letters and numbers. The Latin letters correspond to the 10 selected colors, while the numbers next to them indicate the number of the 50 g bags needed.  
For example, for E2-L1 we need 2 bags of E (Ochre) and 1 bag of L (Light Brown) for 25 kg of white mortar.

**Consumption**

For better mixing, ISOMAT DECO-COLOR should be dissolved in the mixing water before the addition of the mortar. It is advised to either follow the number of doses specified for our recommended colors or add as many 50 g doses needed to obtain the desired color per 25 kg of DUOCRET-DECO FLEX, DUOCRET-DECO, DUOCRET-DECO FINISH, or any other white mortar. If the amount of pigment required is greater than 2% by weight of mortar (e.g. more than 10 doses of 50 g per 25 kg of mortar), you should contact **ISOMAT's** Technical Support Department.





Corporate offices, Thessaloniki, Greece

# ACRYL-DECO FINISH

Ready-mixed, acrylic decorative coating for floors, walls and built-in furniture, with ultra-smooth finish

### Benefits

- Flexibility and resistance to expansion-contraction and vibration
- High abrasion resistance
- Quick application
- Microcement-like effect



**Consumption**  
~ 0.8 kg/m<sup>2</sup>/layer

**Packaging**  
5 kg & 15 kg plastic containers

# ACRYL-DECO SOLO

Ready-mixed, acrylic decorative base and finish coat for floors, walls and built-in furniture with smooth finish

### Benefits

- Substrate leveling
- Embedment of fiberglass mesh
- Flexibility and resistance to expansion-contraction and vibration
- High abrasion resistance
- Quick application
- Microcement-like effect



**Consumption**  
~ 1.7 kg/m<sup>2</sup>/mm  
of layer thickness

**Packaging**  
5 kg & 15 kg plastic containers

### Colors








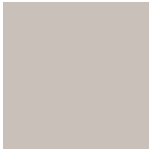






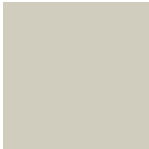






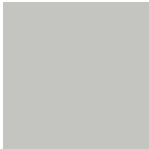
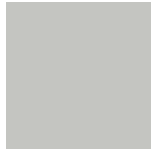





See some of the available colors on the following page.

\* Prior to application of the above products, the coarse, pasty, acrylic leveling and filling compound **ACRYL-DECO BASE** can be used as a base coat.

















**ACRYL-DECO FINISH and ACRYL-DECO SOLO are easily colored through ISOMAT COLOR SYSTEM at points of sale.** The products are available in white and the following recommended colors from the FACADE COLLECTION 260 fan deck. More colors are available upon order.

Classic colors of **ACRYL-DECO FINISH & ACRYL-DECO SOLO**

|  |  |  |  |  |   |  |
|--|--|--|--|--|---|--|
|   |   |   |   |   |   |   |
| LFN 0601   | LFN 0631   | LFN 0611   | LFN 0602   | LFN 0571   | LFN 0592  | LFN 0672   |
|   |   |   |   |   |   |   |
| LFN 0681   | LFN 0671   | LFN 0662   | LFN 0692   | LFN 0821   | LFN 0822  | LFN 0823   |
|   |   |   |   |   |   |   |
| LFN 0801   | LFN 0802   | LFN 0812   | LFN 0813   | LFW 0081   | LFN 0831  | LFN 0712   |
|  |  |  |  |  |  |  |
| LFN 0871   | LFN 0872   | LFN 0852   | LFN 0853   | LFN 0832   | LFN 0863  | LFN 0833   |

Vivid colors of **ACRYL-DECO FINISH & ACRYL-DECO SOLO**

|   |   |   |   |   |  |   |
|---|---|---|---|---|--|---|
|  |  |  |  |  |  |  |
| LFC 0172  | LFC 0273  | LFC 0351  | LFC 0413  | LFC 0462  | LFC 0491   | LFC 0532  |
|  |  |  |  |  |  |  |
| LPC 1205  | LPC 0442  | LFC 0383  | LPC 2044  | LFC 0483  | LPC 1615   | LFC 0523  |

\* Due to printing processes, the colors shown above may vary from the final result.  
To ensure the desired color, a test application is recommended.







Private villa, Serifos, Greece

# DUROCRET-DECO EPOXY

Three-component, decorative epoxy microcement coating for floors, walls and special applications

### Benefits

- Smooth finish
- Exceptional resistance to mechanical loads and household chemicals
- Exceptional abrasion resistance
- Excellent adhesion to the substrate
- Great workability



**Consumption**  
~ 1.2 kg/m<sup>2</sup>/layer

**Packaging**  
(A+B+C) 20 kg





### Colors

Available in white and grey.  
For more colors, add ISOMAT DECO-COLOR\*.  
Take a look at our recommended colors and find details on mixing on the following page.

\* The amount of pigment required for the recommended colors shown on pp. 8-9 does not apply to DUROCRET-DECO EPOXY.



Recommended colors of DUOCRET-DECO EPOXY colored with **ISOMAT DECO-COLOR**

|   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |
| DDE_C1  | DDE_N1  | DDE_F2  | DDE_E1-N1   | DDE_E1  | DDE_F1-M1   | DDE_L1  | DDE_K1  |
|  |  |  |  |  |  |  |  |
| DDE_C2  | DDE_N2  | DDE_F2-N1   | DDE_E1-N2   | DDE_E2  | DDE_F1-L1   | DDE_F1-A1   | DDE_D1  |
|  |  |  |  |  |  |  |  |
| DDE_C3  | DDE_N3  | DDE_F1-N1   | DDE_F1-C1   | DDE_M1  | DDE_F1-K1   | DDE_B1  | DDE_C1-L1   |
|  |  |  |  |  |  |  |  |
| DDE_C4  | DDE_C1-N4   | DDE_F1-N2   | DDE_C2-E1   | DDE_A2-M1   | DDE_F1-D1   | DDE_A1  | DDE_C4-M1   |

A: Brick Red, B: Red-brown, C: Black, D: Dark Brown, E: Ocher, F: Green, K: Purple, L: Light Brown, M: Orange, N: Aegean Blue

\* Due to printing processes, the colors shown above may vary from the final result.  
To ensure the desired color, a test application is recommended.

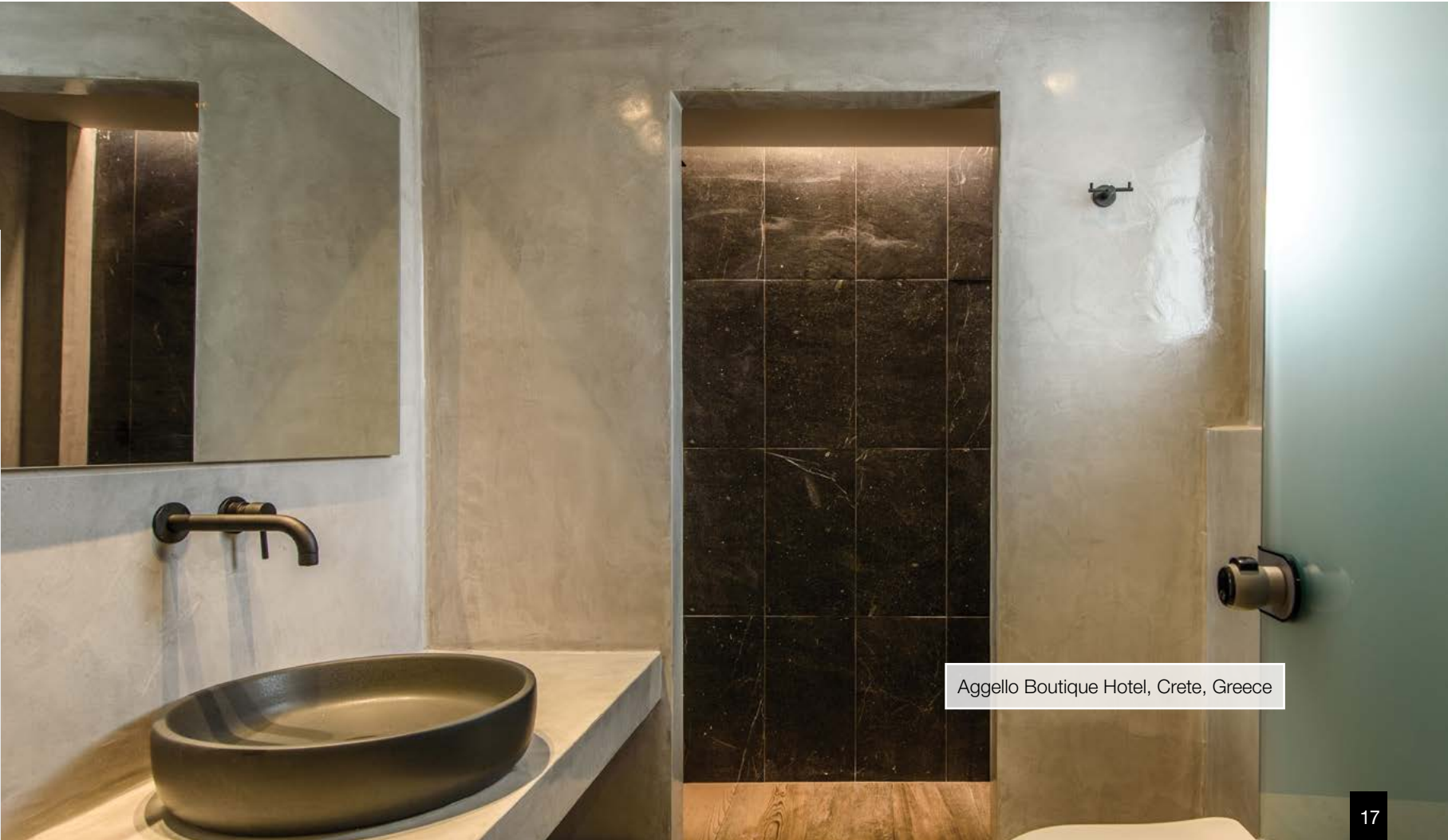
\* For more colors, try combining different pigments.

COLOR CODES - DOSAGE FOR WHITE MORTAR

The DDE (DUOCRET-DECO EPOXY) color chart above is specially made for DUOCRET-DECO EPOXY decorative coating. Each color is assigned a specific code name consisting of Latin letters and numbers. The Latin letters correspond to the 10 selected colors, while the numbers next to them indicate the number of the 50 g bags needed to achieve a specific color. For example, for DDE\_C1-E1 we need 1 bag of C (Black) and 1 bag of E (Ocher) for 14.5 kg of white mortar (component C).

MIXING TIP

Vigorously shake the bucket containing component A and then add it to the original 32 l packaging. Then, pour all of component B to component A. Mix the two components for about 30" using a low-speed mixer (300 rpm). Make sure to properly reach the walls and bottom of the container while stirring, to obtain a homogeneous mixture. Then, add the needed amount of ISOMAT DECO-COLOR pigments and stir for about 1 minute to ensure color consistency throughout the mortar mix. Finally, add component C and keep stirring with a low-speed mixer for approximately 3 minutes. Do not add water.





## create unique living spaces

Microcement gives you the freedom to create your own signature style.

Offering unlimited aesthetic possibilities through the wide range of colors, effects and textures, microcement creates elegant spaces where tradition and modernity blend seamlessly. It is a versatile material specifically designed to adapt perfectly to the most demanding requirements and the specific needs of each project. No matter which style you opt for, microcement is your ally in making your dream space come to life. So, get creative and enjoy unique personalized finishes. Take for instance your bathroom where you can combine microcement with colorful tiles in various patterns, with stone features or even with other materials like pebbles, glass, or wood.

For a successful end-result though, both visually and functionally, it is essential that highly proficient, well-trained installers carry out the application, since special skills and experience are required.

Hotel, Santorini, Greece





## substrate preparation

The substrate must be free of dust, grease or loose materials. Any imperfections, such as cracks, cavities, etc. should be properly repaired with suitable **ISOMAT** materials. Absorbent surfaces, such as masonry, concrete, gypsum board or plaster, must be primed with the acrylic primer **FLEX-PRIMER**, prior to application of the microcement coating. After 2-3 hours, depending on the weather conditions and provided that the primed surface has completely dried, it can be coated with microcement. Non-absorbent surfaces, such as existing tiles or terrazzo, should be primed with **SUPERGRUND** primer. Demanding substrates, such as polished marble, must be thoroughly rubbed, primed with the epoxy primer **EPOXYPRIMER-500** and then broadcast with quartz sand. In these cases, the microcement coating can be applied 24 hours later, provided that the primer has completely dried.



**FLEX-PRIMER**  
Consumption  
100-200 g/m<sup>2</sup>  
Packaging  
1 kg, 5 kg,  
10 kg & 20 kg



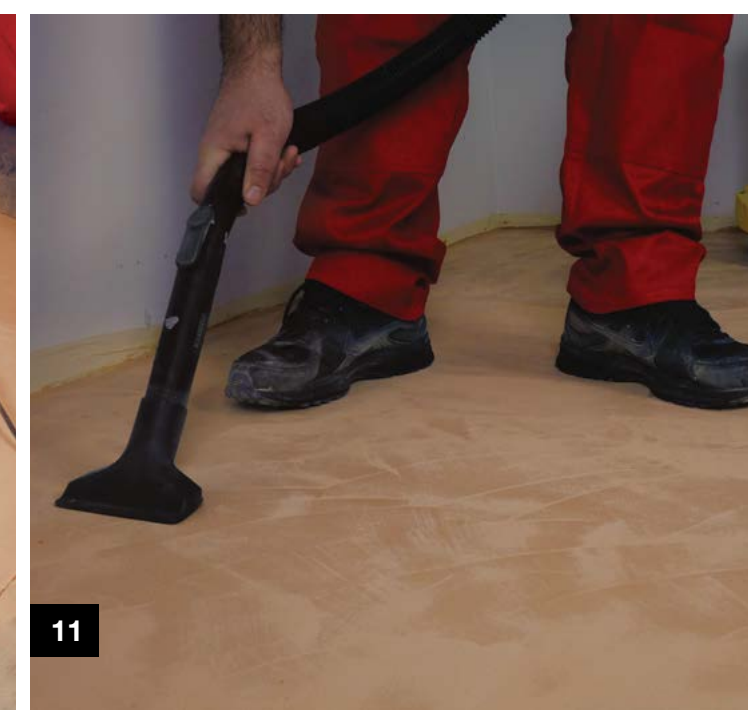
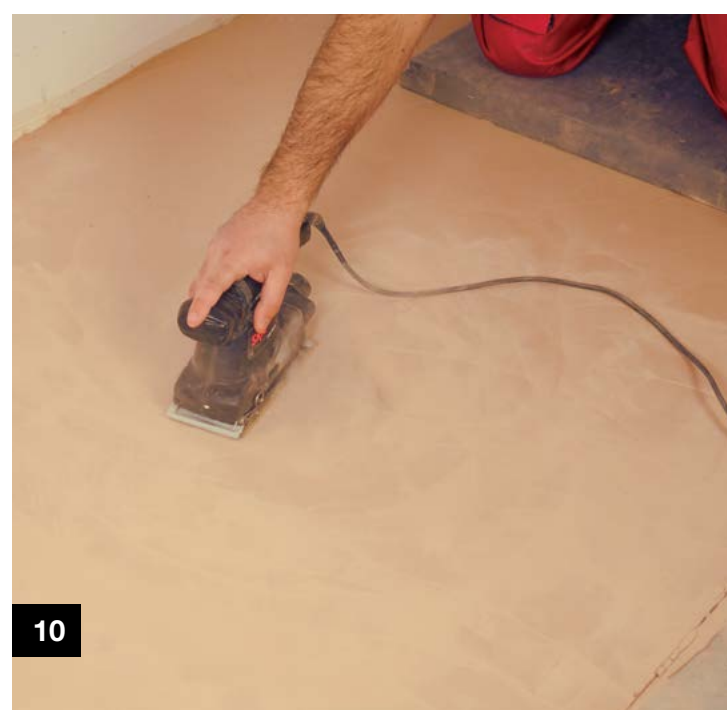
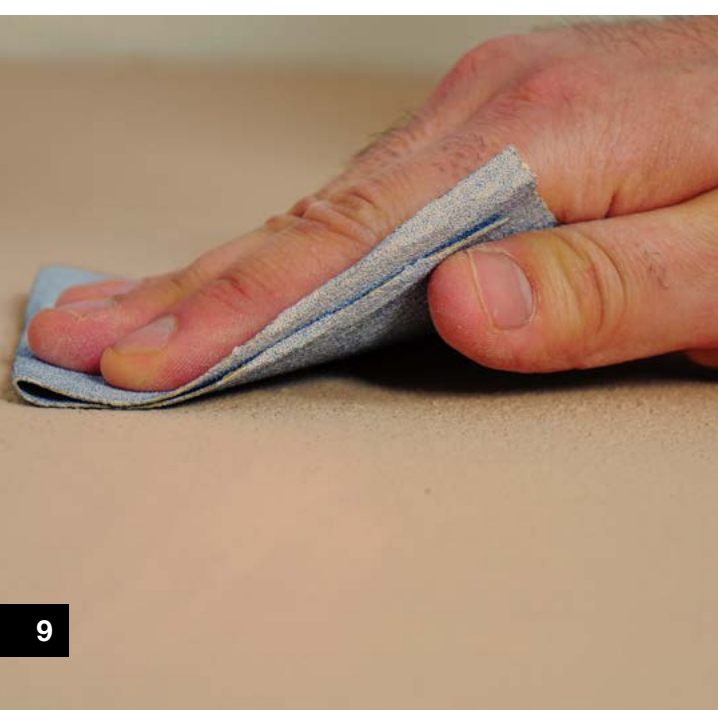
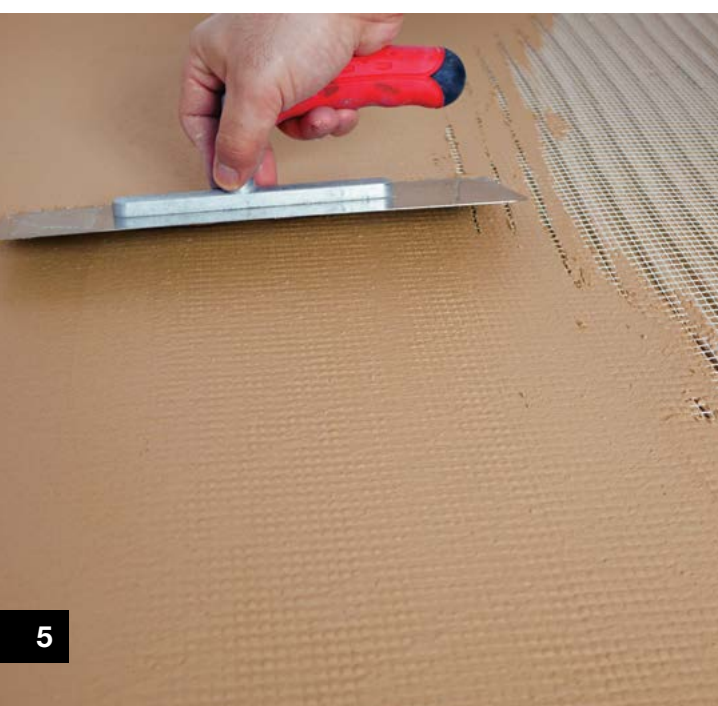
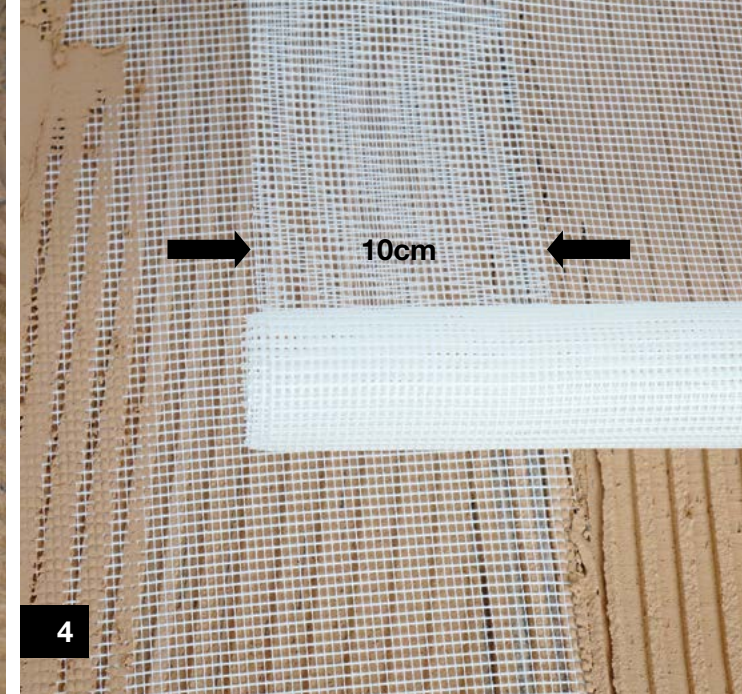
**SUPERGRUND**  
Consumption  
100-200 g/m<sup>2</sup>  
Packaging  
1 kg & 5 kg & 20 kg



**EPOXYPRIMER-500**  
Consumption  
150-200 g/m<sup>2</sup>  
Packaging  
(A+B) 1 kg, 4 kg,  
10 kg & 20 kg







## step-by-step application

**1-2.** DUROCRET-DECO FLEX is added to water under stirring, until a mixture of the desired workability is obtained.

**3.** The material is applied with a 10 mm notched trowel.

**4-5.** Fiberglass mesh (160 g/m<sup>2</sup>) is placed onto the “combed” surface of DUROCRET-DECO FLEX. It is then embedded with the smooth edge of the trowel for a smooth finish.

**6.** After 24 hours, the dry and hardened surface of DUROCRET-DECO FLEX is primed with the acrylic primer FLEX-PRIMER.

**7-8.** While the primer is fresh, DUROCRET-DECO FINISH is applied fresh on fresh in a thin layer ~ 1 mm, or DUROCRET-DECO FLEX in a thin layer ~ 1.5 mm, in the preferred color, to deliver the desired microcement finish.

**9-10.** After 24 hours, the surface can be gently sanded with sandpaper for an extra smooth finish, if that is desired.

**11.** Then, it is thoroughly cleaned with a high-suction vacuum cleaner.

**12.** Two-three days after the application, provided that the surface has completely dried, the protective varnish can be applied to deliver the final desired look.

\* In case surface waterproofing is necessary (e.g. in bathrooms, swimming pools, balconies, etc.), the use of the waterproofing slurries AQUAMAT-FLEX, AQUAMAT-MONOELASTIC and AQUAMAT-ELASTIC is recommended prior to application of microcement.





Ideal for spaces with high humidity



## sealing and protection

Two-three days after the application, provided that the surface has completely dried, it can be protected with the UV-stable, transparent, two-component, polyurethane protective varnish VARNISH-PU 2K (gloss or satin) or the two-component, water-based, polyurethane protective varnish VARNISH-PU 2KW (satin-matt).

Both varnishes are applied in at least two coats. The second coat is applied within 24 hours from the previous one, as long as it has dried.

For better spreading, after soaking the roller in the varnish, it is recommended that any excess material be drained off in the paint tray and then applied on the surface.

VARNISH-PU 2K generally darkens the microcement surface. If that is not desired, one day before its application it is recommended to impregnate the surface with the acrylic water-based varnish VS-W diluted with water 1:1. VARNISH-PU 2K is applied 24 hours later. VS-W is not needed when the ACRYL-DECO product range is used.

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.



### VARNISH-PU 2K

Gloss & Satin

**Consumption**

70-120 g/m<sup>2</sup>/coat

**Packaging**

(A+B) 1 kg & 5 kg



### VARNISH-PU 2KW

Satin-matt

**Consumption**

70-120 g/m<sup>2</sup>/coat

**Packaging**

(A+B) 1 kg & 5 kg



### VS-W

**Consumption**

150-200 ml/m<sup>2</sup>/coat

**Packaging**

1 l, 5 l & 20 l



### VARNISH-PU ANTI-SLIP

Satin

**Consumption**

70-120 g/m<sup>2</sup>/coat

**Packaging**

(A+B) 1 kg & 5 kg

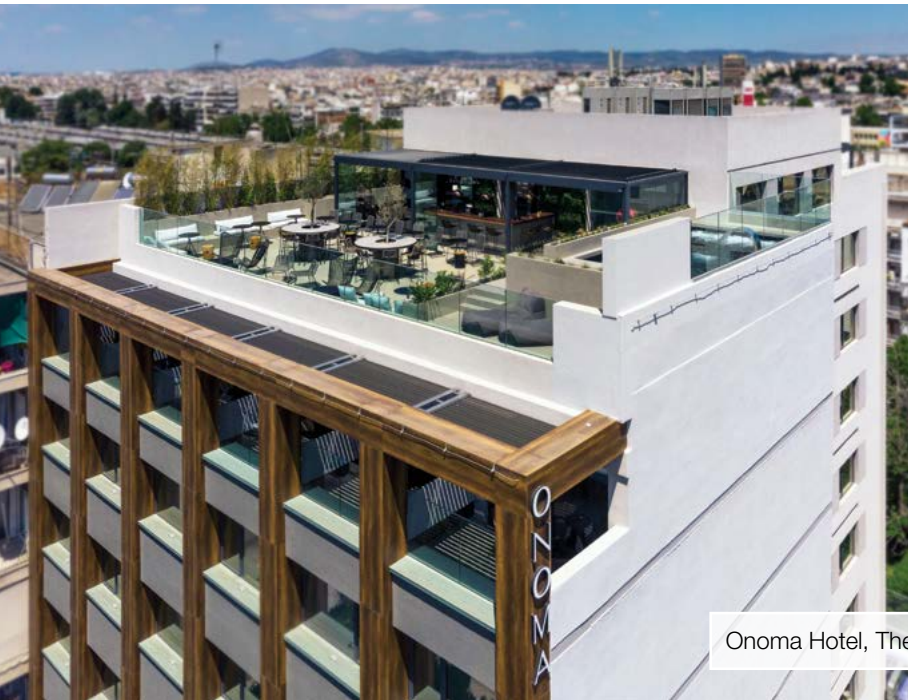




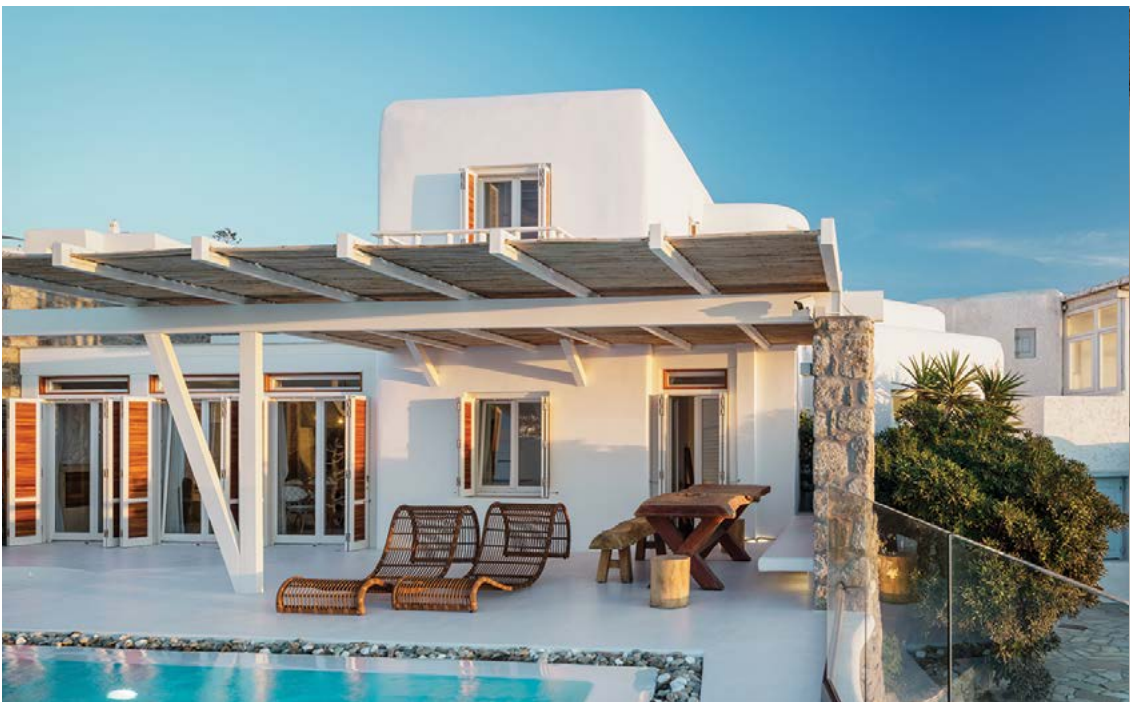
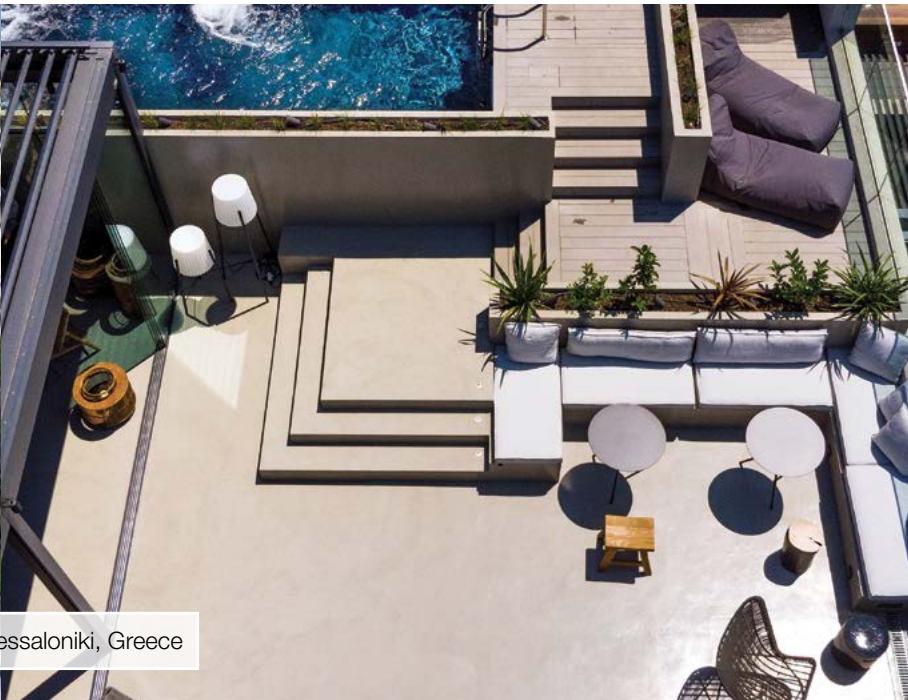
Reference Projects



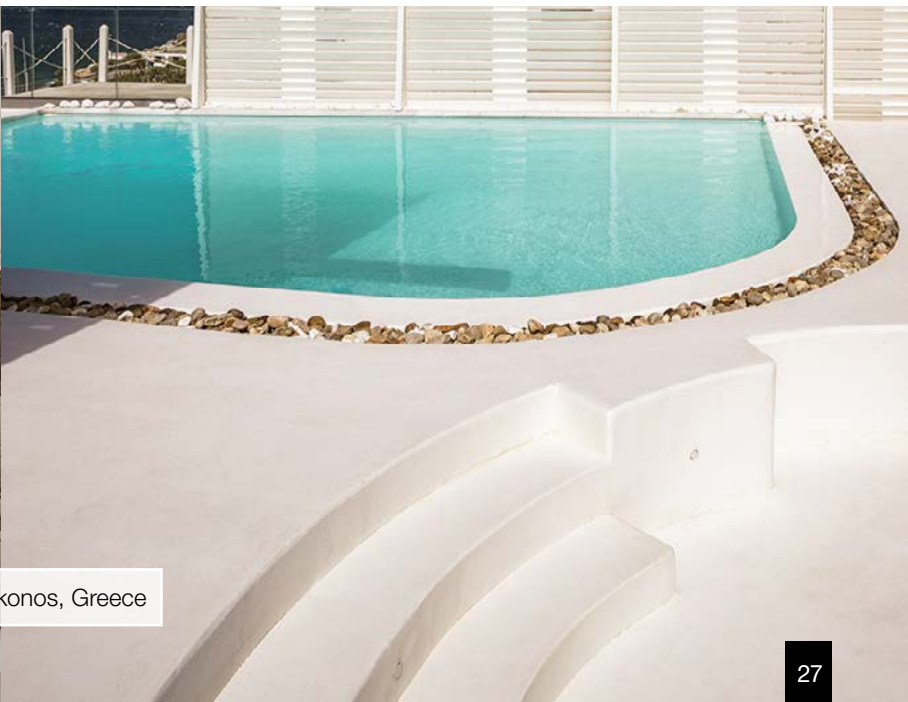
Old Castle Oia Suites, Santorini, Greece



Onoma Hotel, Thessaloniki, Greece



Villa Estia, Mykonos, Greece



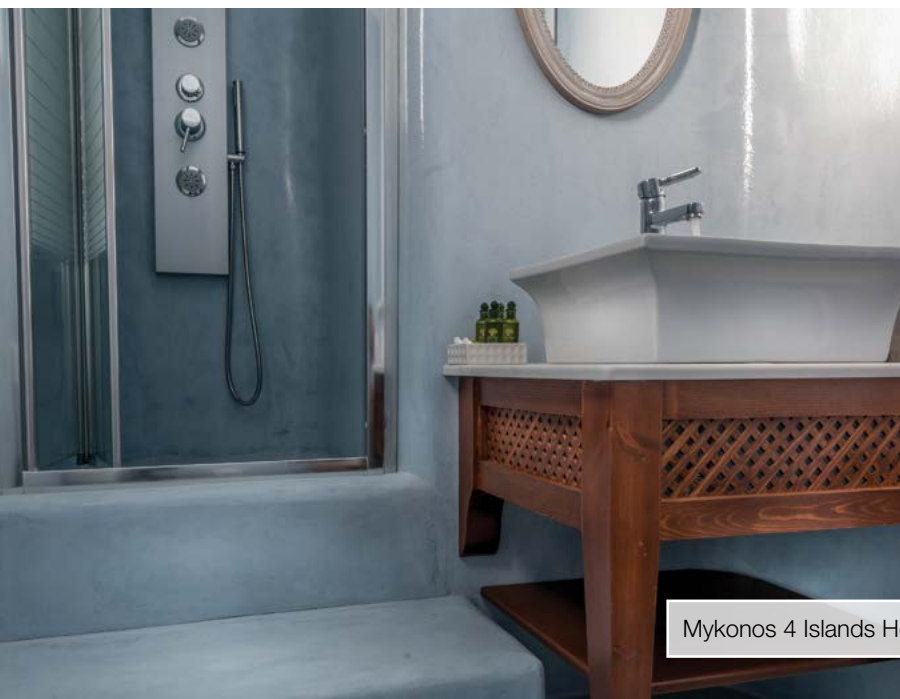




Aggello Boutique Hotel, Crete, Greece



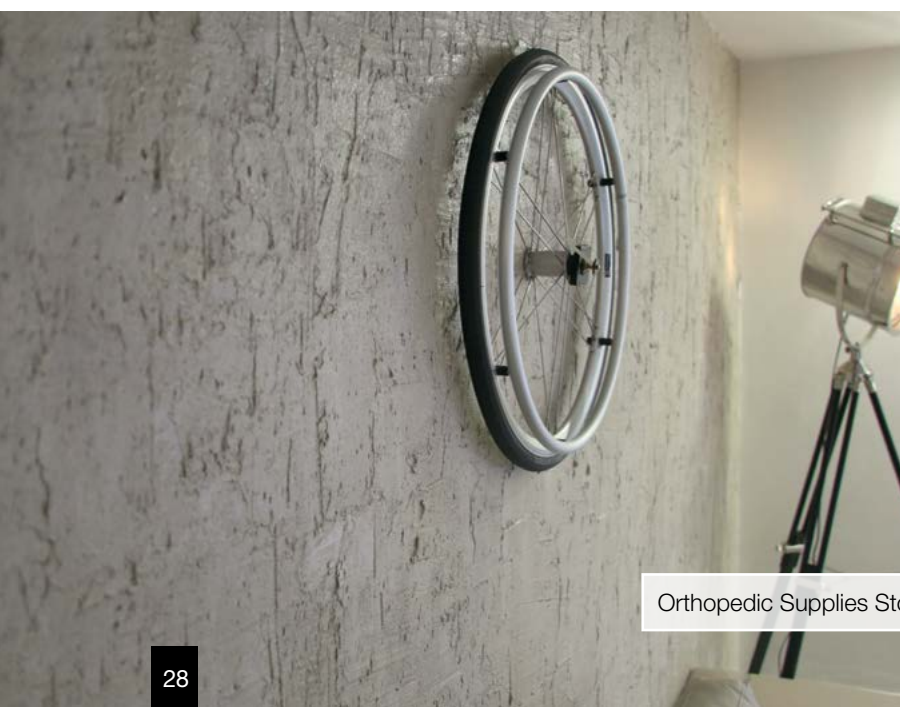
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Mykonos 4 Islands Hotel, Mykonos, Greece



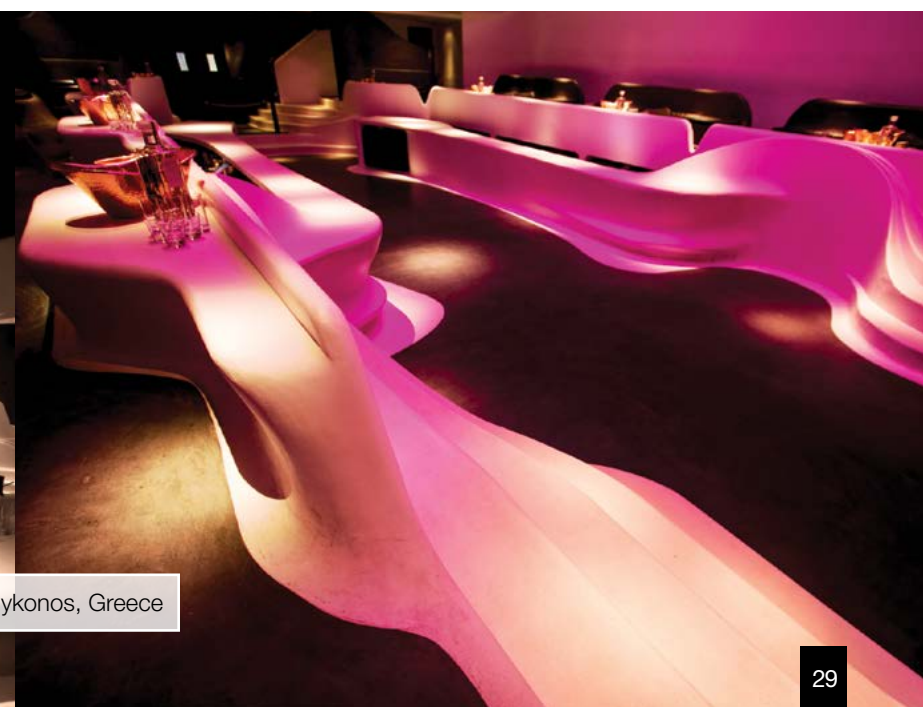
Watt & Volt Store, Thessaloniki, Greece



Orthopedic Supplies Store, Thessaloniki, Greece



Void Club, Mykonos, Greece





Deeply rooted in the Mediterranean architecture, microcement is continuously evolving, playing a leading part in modern construction worldwide.

This is why **ISOMAT** has developed a complete range of decorative microcement coatings, aiming to provide product solutions to cover even the most demanding applications.

**ISOMAT**'s microcement product range provides a highly aesthetic, customized result with timeless appeal, along with excellent waterproofing and high mechanical strength.

Delivering stylish, easy-to-clean surfaces without joints, it's no wonder that the popularity of microcement has grown considerably over the last years, with its application fields ranging from kitchens and bathrooms to stairs, furniture, decorative features, etc.



Visit our website



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for a sustainable future

