

# PLANOCOLOR® TERRAZZO



**PLANOCOLOR® TERRAZZO**

THE ART OF INTERIOR & LANDSCAPE DESIGN ...

# ART OF DESIGN

## PLANOCOLOR® TERRAZZO

*PLANOCOLOR® TERRAZZO is a well-designed solution for creating polished terrazzo or micro-pebble coverings that can be applied on floors, walls and curved surfaces, even on special constructions such as swimming pools or furniture.*



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# LANDSCAPE DESIGN WITH MICROPEBBLE COVERINGS

## PLANOCOLOR® TERRAZZO

### CREATING WITH NATURE

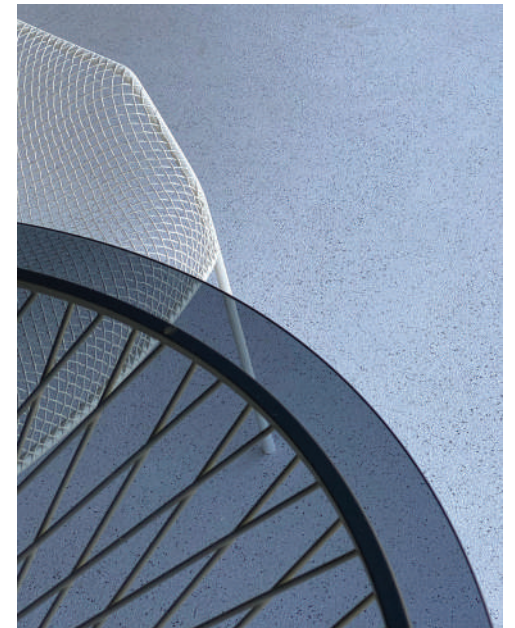
*Micro-pebble coverings may simulate uniform natural terrains in landscape design such as a rocky texture or an artificial lake.*

*The high strength properties and the TSR (LEED v4.1) mixtures of the PLANOCOLOR® TERRAZZO coverings develop highly reflective surfaces that contribute to the reduction of the heat island phenomenon in walkways, recreation areas, sidewalks, plazas, parking lots and other outdoor applications.*



R Lab\_Emirates Tower Robotic Lab, Dubai ↑

Al Jada Discover Center, Dubai ↙





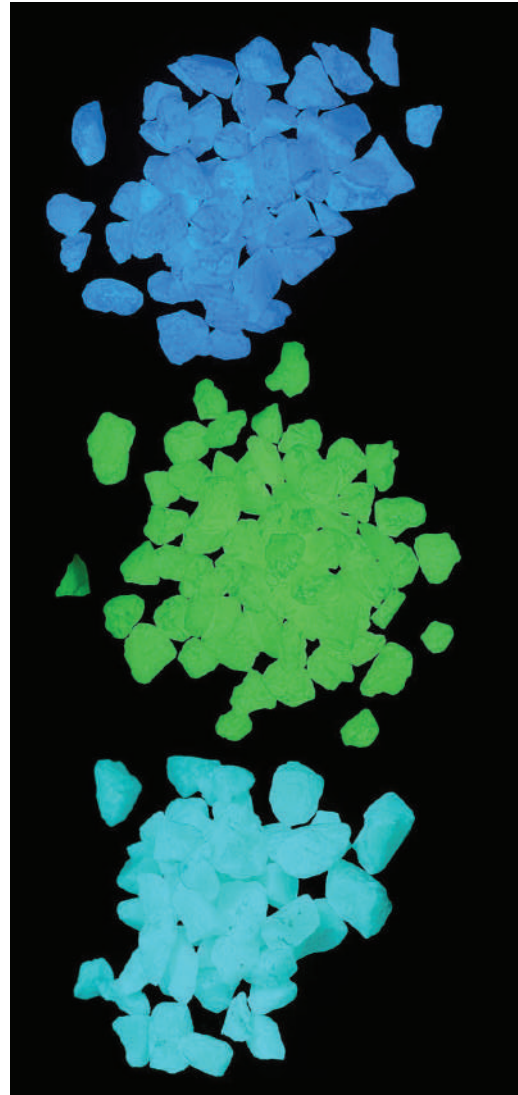


# GLOW IN THE DARK COVERINGS

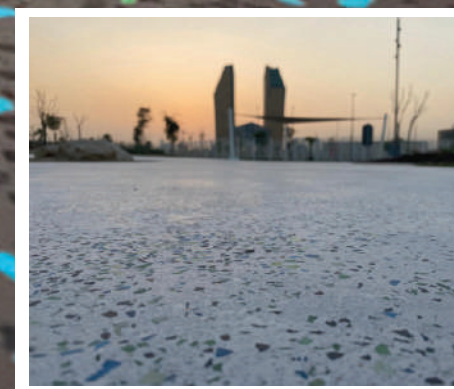
## PLANOCOLOR® TERRAZZO

*The high bonding strength of NOVACEM CREATIVE and NOVACEM CREATIVE FLOOR hydraulic binders, allows us to create luminous glowing in the dark coverings, which utilize solar energy, resulting in a smooth ambient external area lighting.*

Private house, Mykonos ↓







Peacock Garden New Science Park, Dubai

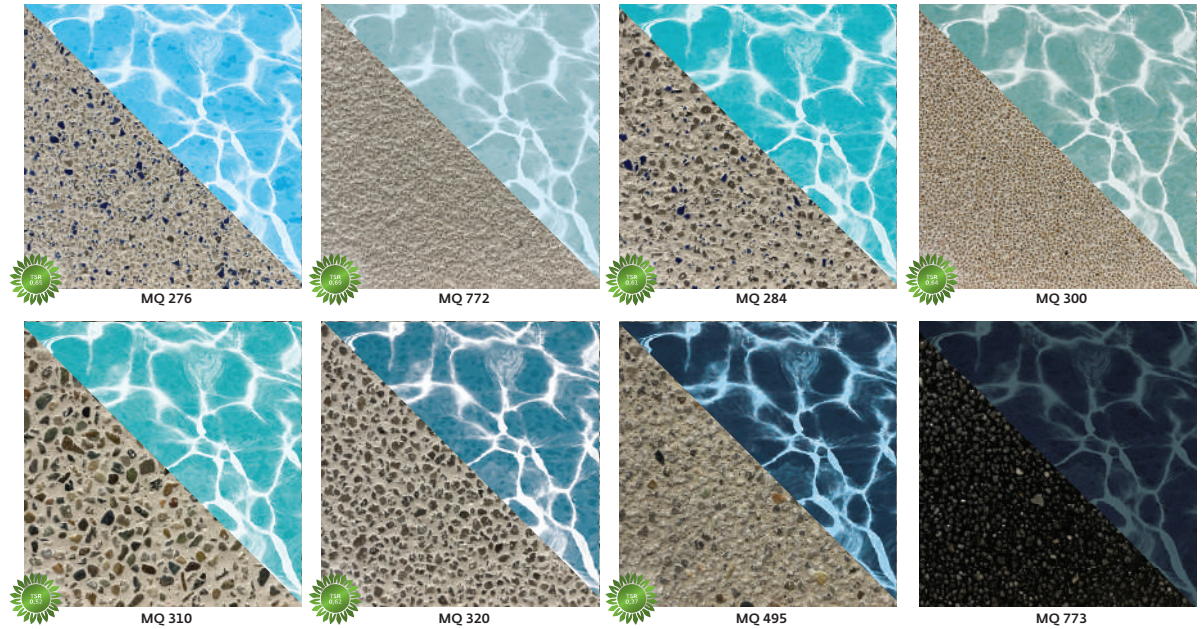


# WATER & SUN EFFECT

## PLANOCOLOR® TERRAZZO

*Pebbles and granulates of various colors are used to create micro-pebble coverings of high strength and aesthetics that 'embrace' water elements.*

*Swimming pools, hot tubs, artificial lakes and aquatic structures that provide the visual feeling of a beach and combine anti-slippery finish with pleasant bare foot feeling.*



Damac Hills, Akoya swimming pool, Dubai ↓



For mixtures & TSR measurements of micro-pebble formulations, defined as 'cold coatings' scan the QR code.

TSR



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Anesea 4 star hotel, Hrakleion Crete



# INTERNAL FLOOR & WALL DESIGN

## PLANOCOLOR® TERRAZZO

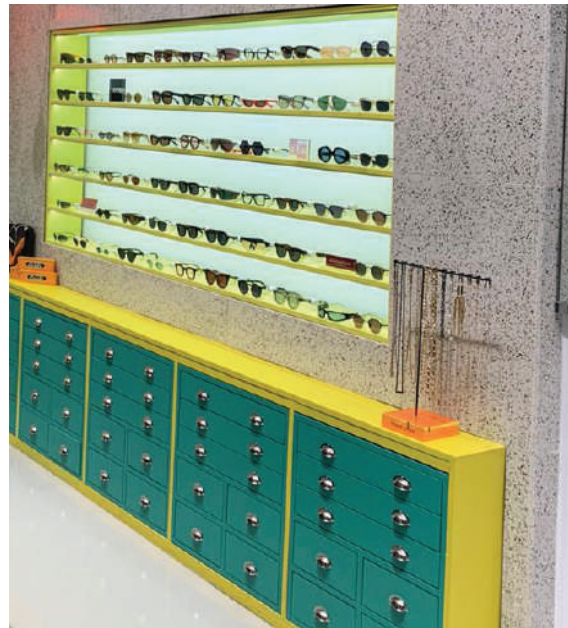
Countless, high-performance terrazzo coatings produced from only one binder.

Coverings where apart of marble, harder materials such as glass, synthetic granulates or even natural stone slabs can be used.

The PLANOCOLOR®TERRAZZO coverings are not affected by sun exposure and provide fire resistance category A1 according to EN 13501-1.



Taj Jumeirah Lakes Towers, Dubai ↑  
Ralph's Diner Sunglasses & Eyewear Store, Athens ↙  
Ilya Botanic Suites, Alonissos ↓









# FURNITURE & MORE...

## PLANOCOLOR® TERRAZZO

*The PLANOCOLOR® TERRAZZO coverings can be applied directly on properly prepared constructions as long as they are stable and free of rising humidity.*

*NOVACEM CREATIVE / NOVACEM CREATIVE FLOOR polymer modified cements mixed with appropriate granulates and cast-in molds, allow us to create special constructions such as staircases, furniture, benches, tables, sinks, flower pots or even slabs.*







The Orbit, Athens

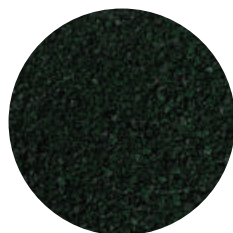


PLANOCOLOR® GRANULATES

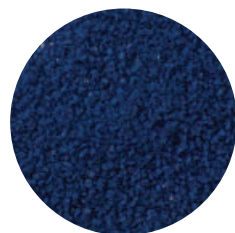
# LIGHT WEIGHT COLORED IN THE MASS LC



**GOLD**  
LC 60



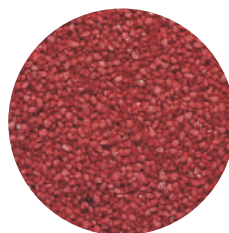
**GREEN**  
LC 60



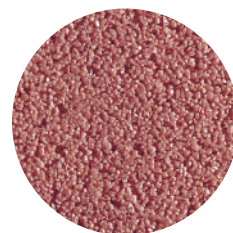
**DARK BLUE**  
LC 60



**YELLOW**  
LC 60



**RED**  
LC 60



**BROWN**  
LC 60

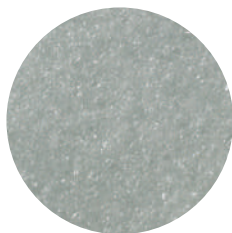


**ORANGE**  
LC 90

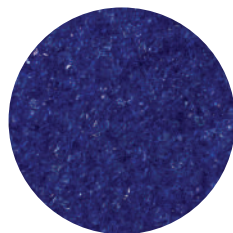
*Light weight granulates  
in wide variety of  
colors. Suitable for  
micro-pebble coverings  
inside swimming  
pools and for terrazzo  
coverings.*

PLANOCOLOR® GRANULATES

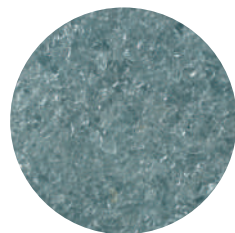
# PLAY WITH GLASS & LIGHT RC GLASS & LR



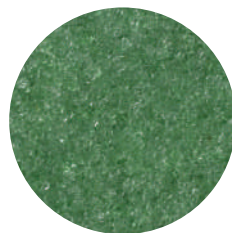
**CRYSTAL CLEAR**  
RC GLASS 40 900



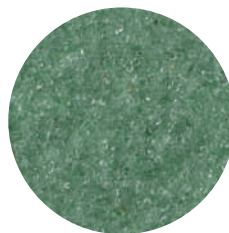
**DARK BLUE**  
RC GLASS 40 910



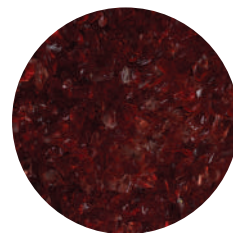
**LIGHT BLUE**  
RC GLASS 40 911



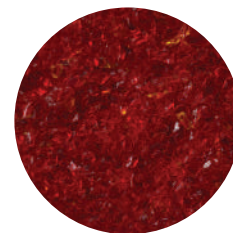
**GREEN**  
RC GLASS 40 920



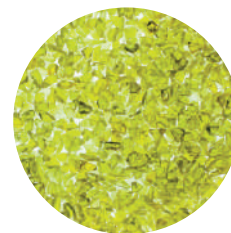
**CRYSTAL GREEN**  
RC GLASS 40 922



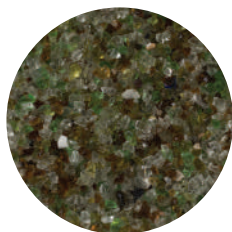
**GOLDEN BROWN**  
RC GLASS 90 950



**FIRE RED**  
RC GLASS 40 990



**GOLDEN YELLOW**  
RC GLASS 90 995



**GREEN MIX**  
RC GLASS 4,0-8,0mm



PLANOCOLOR® GRANULATES

# PLAY WITH NATURE

## MQ, MR, S



**MILOS YELLOW**  
MR 60 50



**MANI GREY LIGHT**  
MR 60 51



**MANI GREY DARK**  
MR 80 51



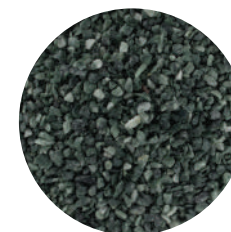
**CANDIA BROWN**  
MR 60 52



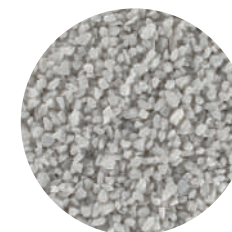
**THIRA BLACK**  
MR 60 53



**VOLCANO RED**  
MR 60 54



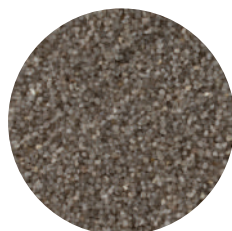
**TINOS GREEN**  
MR 60 55



**THASSOS WHITE**  
MR 70 00



**COLORADO**  
MQ 30 14



**RIVER GREY**  
MQ 50 18



**S10**



**S30**



**S50**



**S70**

*Due to printing process colors and appearance of applied products or packaging should be considered as indicative.*

# APPLICATION DIAGRAMS FOR PLANOCOLOR® TERRAZZO

## ➤ USING NOVACEM CREATIVE or NOVACEM CREATIVE FLOOR

### INTERNAL FLOORS, POLISHED TERRAZZO

#### ABSORBENT SUBSTRATE (1)



#### NON ABSORBENT SUBSTRATE (2)



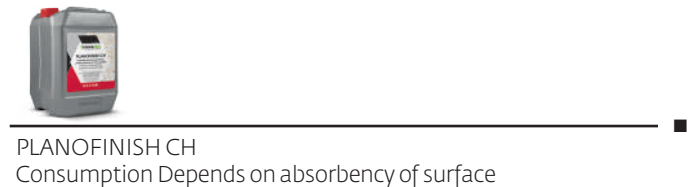
#### CREATING LAYERS MORE THAN 60 mm



(3)



#### SURFACE HARDENER TO ENHANCE POLISHING



#### FILLER MATERIALS FOR GROUTING



#### SOLENT FREE WATERPROOFING



#### WATERPROOFING



#### SOLVENT BASED WATERPROOFING



#### NOTES

Please review the annotations collectively shown in page 19



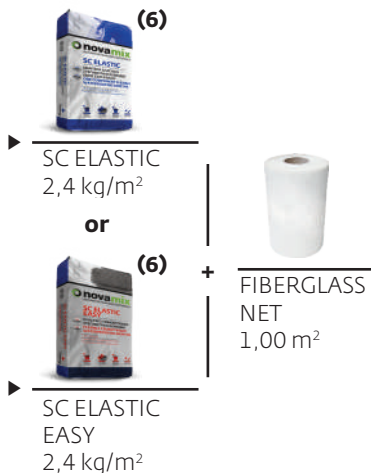
# APPLICATION DIAGRAMS FOR PLANOCOLOR® TERRAZZO USING NOVACEM CREATIVE or NOVACEM CREATIVE FLOOR

## EXTERNAL FLOORS & INTERNAL WET AREAS, POLISHED OR 'HONED' TERRAZZO

### ABSORBENT SUBSTRATE



### NON ABSORBENT SUBSTRATE (2)



### CREATING LAYERS MORE THAN 60 mm



(3)

48-72 HOURS  
< 5 DAYS

+

WET ON WET

or



### SURFACE HARDENER TO ENHANCE POLISHING



PLANOFINISH CH  
Consumption Depends on absorbency of surface

### FILLER MATERIAL FOR GROUTING



NOVACEM MF  
50 - 100 gr/m<sup>2</sup>

### SOLENT FREE WATERPROOFING



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

### SOLVENT BASED WATERPROOFING



PROTECT 300 S  
200-300 ml/m<sup>2</sup> (2 layers)



PROTECT 900S  
150-200 ml/m<sup>2</sup> (2 layers)

### SOLVENT BASED WATERPROOFING WET LOOK



PROTECT 300 S  
5 - 20 m<sup>2</sup>/L depending on absorbency



WET PLUS S  
2 - 4 L/100 m<sup>2</sup> depending on the type of application

### NOTES

Please review the annotations collectively shown in page 19

# APPLICATION DIAGRAMS FOR PLANOCOLOR® TERRAZZO USING NOVACEM CREATIVE or NOVACEM CREATIVE FLOOR

## EXTERNAL WALLS, FLOORS & SWIMMING POOLS WITH MICRO-PEBBLE FINISH

### ABSORBENT SUBSTRATE



### NON ABSORBENT SUBSTRATE (2)



or



48-72 HOURS  
< 5 DAYS



NOVACEM CREATIVE / FLOOR

WET ON WET



NOVACEM CREATIVE  
25 - 35%



or



NOVACEM CREATIVE FLOOR  
25 - 35%



PLANOCOLOR® GRANULATES  
MR / MQ / LC / RC GLASS / S

30 MIN



GRANULATES REVEAL  
IN 24 - 48 HOURS

2 - 20 HOURS AFTER GRANULATES REVEAL



### CREATING LAYERS MORE THAN 60 mm

(3)

WET ON WET

### SWIMMING POOLS

NO PROTECTION REQUIRED

### WITHOUT COLOR ALTERATION



PROTECT 300 S  
200-300 ml/m<sup>2</sup> (2 layers)

### SOLVENT BASED WATERPROOFING WET LOOK



PROTECT 300 S  
5 - 20 m<sup>2</sup>/L subject to absorbcy

+



WET PLUS 5  
2 - 4 L/100 m<sup>2</sup> subject to the type of application

### NOTES

Please review the annotations collectively shown in page 19



## NOVACEM MICRO TERRAZZO (6-10mm)

### ABSORBENT SUBSTRATE



NOVAPRIMER  
100-300ml/m<sup>2</sup>

60 MIN

### NON ABSORBENT SUBSTRATE



PLANO CONTACT FAST  
300-350gr/m<sup>2</sup>

15 - 60  
MIN



NOVACEM MICRO TERRAZZO

+



NOVACOLOR DESIGN

+



PLANOCOLOR® GRANULATES  
MQ η LC

or



PLANOCOLOR® GRANULATES  
MR

or



PLANOCOLOR® GRANULATES  
RC GLASS / S

24 - 48  
HOURS  
POLISHING

### INTERNAL AREAS



PLANOFINISH CRYSTAL  
80 - 150 gr/m<sup>2</sup>

### EXTRA POLISHING



PLANOFINISH HP  
30 - 40m<sup>2</sup>/L

### NOTES

- (1) The bonding slurry consists of 1 part water / 1 part SBR 50 and 2 - 3 parts NOVACEM CREATIVE / FLOOR by weight subject to the type of application.
  - (2) For the non-absorbent substrates a bonding compatibility trial application is recommended to be performed between the substrate and the terrazzo mix.
  - (3) For layers of minimum thickness of 60 mm, apply NOVACEM CREATIVE mix wet on wet on freshly poured (but hard enough to walk) C20/25 concrete. If the concrete dries, this methodology cannot be applied.
  - (4) Pigments used in cementitious mixes might fade as a result of the use of the surface. In case of doubt perform a trial application.
  - (5) The choice of waterproofing agent or varnish depends on the type of application.
  - (6) SC ELASTIC & SC ELASTIC EASY are suitable also for absorbent substrates.
  - (7) The surface retardant PLANOCOLOR® CRT 052 facilitates the process of exposing the aggregates 24 - 48 hours after application using high pressure waterjet, ACID CLEAN TURBO or antique brush. Upon exposure of the aggregates and after 2 - 20 hours the application of the hardener PLANOFINISH CH PLUS is recommended to reduce the risk of development of cracks. As soon as surface humidity falls below 4% waterproofing agent may be applied.
- The consumption and time durations depend on the job-site conditions and the type of application.



# SUBSTRATE PREPARATION



## PLANOPRIMER

Water based acrylic primer for adhesion enhancement.

Consumption: 70 - 250 ml/m<sup>2</sup>.

Packaging: 20L, 5L and 1L.



## NOVAPRIMER

Water based acrylic primer with high penetrating ability for consolidating absorbent surfaces prior to coverings installation.

Consumption: 200 - 500 ml/m<sup>2</sup>.

Packaging: 20L, 5L and 1L.



## SBR 50

Enhancing latex which is mixed with NOVACEM CREATIVE and water in order to create bonding slurries.

Consumption: Depending on the application .

Packaging: 20L, 5L and 1L.



## PLANO CONTACT FAST

Fast drying (receives covering in 15 - 60 minutes) quartz primer for non-absorbent surfaces.

Consumption: 300 - 400gr/m<sup>2</sup>.

Packaging: 15Kg and 5Kg.





# SUBSTRATE PREPARATION



## EPO FLUID

Fluid epoxy resin for monolithic bonding of cracks on concrete or screed of 3mm minimum width.

Consumption: Depending on the application.

Packaging: 1Kg.



## BAUMENT RAPID FLOW

Admixture which is used for creating high strength and fast curing levelling screeds, prior to the installation of humidity sensitive floor coverings.

Consumption: 1 - 3 L/25 kg cement.

Packaging: 20L, 5L and 1L.



## RC 220

One component multipurpose repairing mortar. Used for substrate levelling in a thickness of 2 - 20mm.

Consumption: 1,5 kg/m<sup>2</sup>/mm of thickness.

Packaging: 25Kg.



## RC 240

One component multipurpose repairing and patching mortar. Used for substrate levelling in a thickness of 5 - 40mm.

Consumption: 1,8 kg/m<sup>2</sup>/mm of thickness.

Packaging: 25Kg.



# SUBSTRATE PREPARATION



## SC ELASTIC EASY

One component, cement-based, flexible waterproofing mortar. Suitable for absorbent and non-absorbent substrates.

Consumption: 1,2 kg/m<sup>2</sup>/mm.

Packaging: 20Kg.



## SC ELASTIC

One component, cement-based, highly flexible waterproofing mortar. Suitable for absorbent and non-absorbent substrates.

Consumption: 1,2 kg/m<sup>2</sup>/mm of thickness.

Packaging: 20Kg.



## SC 200 PENETRATE

Two component cement based waterproofing mortar for absorbent substrates.

Consumption: 1,6 kg/m<sup>2</sup>/mm of thickness.

Packaging: 25Kg (A) and 7L (B).



## FIBERGLASS NET

Fiberglass net used for microcement or waterproofing compounds reinforcement, as well as for controlling the total layer thickness.

Packaging: 50 m<sup>2</sup>.

# DECORATIVE COVERINGS



## NOVACEM CREATIVE

Polymer modified cement based binder for creating micro-pebble and polished terrazzo coatings for indoor and outdoor applications and swimming pools.

Consumption: 0,5 - 0,7 kg/m<sup>2</sup>/mm of thickness.

Packaging: 15Kg.



## NOVACEM CREATIVE FLOOR

Polymer modified cement based binder with additives that facilitate applications on floors, for creating micro-pebble and polished terrazzo coverings for indoor and outdoor applications and swimming pools.

Consumption: 0,5 - 0,7 kg/m<sup>2</sup>/mm of thickness.

Packaging: 15Kg.



## NOVACEM MICRO TERRAZZO

Two component cement based system which is mixed with PLANOCOLOR® GRANULATES for creating small thickness (6 - 10mm) terrazzo coverings. Suitable for indoor and outdoor applications.

Consumption: depending on mixing ratio 1,8 - 2,0kg/m<sup>2</sup>/mm thickness before grinding.

Packing: 8,5Kg.



## NOVACOLOR OXIDE / NOVACOLOR CARBON

Pigments in powder form suitable for NOVACEM CREATIVE mixtures.

Consumption: Depending on the application.

Packaging: NOVACOLOR OXIDE 250 gr and NOVACOLOR CARBON 500 gr.



# FINAL SURFACE FINISH



## PLANOCOLOR CRT 052

Surface setting retardant used in micro-pebble coverings surface treatment, for granulates of a maximum 3 - 4mm grain size.

Consumption: 200 - 300 ml/m<sup>2</sup>.

Packaging: 20L and 5L.



## PLANOFINISH CH PLUS

Mineral hardener / concrete densifier in liquid form used for in depth hardening of micro-pebble and terrazzo coverings.

Consumption: 1 L/15 - 20 m<sup>2</sup> by dilution 1:2.

Packaging: 20L, 5L and 1L.



## PLANOFINISH CH

Mineral hardener / concrete densifier in liquid form used for surface consolidation, therefore acting also as a promoter for the mechanical polishing process.

Consumption: Applied diluted 1:1 up to 1:4 depending on the type of application.

Packaging: 20L, 5L and 1L.



## NOVACEM MF

Cement-based mortar used for grouting surface holes which occur during the grinding process of terrazzo and micro-pebble surfaces using NOVACEM CREATIVE hydraulic binders.

Consumption: 50 - 100gr/m<sup>2</sup>.

Packaging: 5kg and 15kg.

# FINAL SURFACE FINISH



## PROTECT 200

Hydrophobic impregnating sealer for concrete, suitable also for application for micro-pebble and terrazzo coverings.

Consumption: 0,1 - 2 L/m<sup>2</sup>.

Packaging: 5L and 1L.



## PROTECT 300 S

Waterproofing impregnation for honed terrazzo and micro-pebble coverings, without altering the final appearance.

Consumption: 5 - 20 m<sup>2</sup>/L.

Packaging: 5L and 1L.



## WET PLUS S

Solvent based stain protector and color-enhancing agent for micro-pebble and terrazzo coverings. It provides a 'wet' look.

Consumption: 2 - 4 L/100 m<sup>2</sup>.

Packaging: 5L and 1L.



## PROTECT 900 S

Waterproofing impregnation for surfaces with reduced absorbency such as polished terrazzo, on floors and special constructions.

Consumption: 2 - 3 L/100 m<sup>2</sup>.

Packaging: 5L and 1L.



# FINAL SURFACE FINISH



## PLANOFINISH CRYSTAL

*Epoxy paste for filling pinholes of terrazzo coverings in internal areas. It can also be mixed with glitter.*

*Consumption: 80 - 150 gr/m<sup>2</sup>.*

*Packaging: (0,6 + 0,4)kg.*



## PLANOFINISH HP

*Surface polishing & sealing liquid. Suitable for surface protection of microcement, terrazzo coatings and natural stones.*

*Consumption: 30 - 40 m<sup>2</sup>/L.*

*Packaging: 5L and 1L.*

Edited by **Novamix**

Ευχαριστούμε πολύ για το φωτογραφικό υλικό τους  
*Special thanks to for their photographic material*

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SCAN ME

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