PLANOCOLOR® MICROCEMENT

MICROCEMENT COATINGS



PLANOCOLOR® MICROCEMENT THE ART OF MINIMAL DESIGN



PLANOCOLOR® MICROCEMENT is a versatile decorative coating system for Residential, Commercial and Hospitality designs.

The ability to create seamless surfaces on interior or exterior floors, facades, ceilings, bathrooms, kitchens, swimming pools and special curved constructions, is a key characteristic of this system.

The possibility of fast track application on renovations or new constructions using endless combination of colors and hand-made patterns becomes a powerful 'tool' on the hands of a designer.







HOME DESIGN

PLANOCOLOR® MICROCEMENT

Uniform & seamless surfaces have always been a key point of interest for the designers.

PLANOCOLOR® MICROCEMENT system fulfills the requirement for a low thickness, high-strength customized home design, with endless color and pattern combinations.









HOTEL DESIGN

PLANOCOLOR® MICROCEMENT

The design, construction and renovation of hotels is a challenging process that requires improved schedule performance and involves a high level of risk management.

Furthermore, microcement offers to the designer the opportunity to craft a detailed realization and provide a pleasant environment.



Cook's Club, Bulgaria ✔ Riviera Mykonos Hotel & Spa, Mykonos ↓







COMMERCIAL DESIGN

PLANOCOLOR® MICROCEMENT

Showrooms and professional areas, like offices, restaurants, retails shops or art galleries, require "quiet" patterns inside an enjoyable but warm area.

Uncle Osaka Restaurant, Amman

Antonella Kids store, Crete

◆



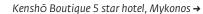




SWIMMING POOL DESIGN

PLANOCOLOR® MICROCEMENT

The ability to apply the PLANOCOLOR® MICROCEMENT coatings in different shapes and colors allows us to create artificial islands, benches and special constructions in direct contact with swimming pool water.









FACADE DESIGN

PLANOCOLOR® MICROCEMENT

The combination of PLANOCOLOR® systems of organic plasters with GRC finish, with suitable systems specially designed for facades, such as Honeycomb, ETICS, etc., allows us to create uniform, seamless surfaces with unlimited possibilities in color combinations and patterns.

The collaboration with Metallock Honeycomb Systems has brought to life the novel system GRC surface on Honeycomb Panel (GRC-HP).









STANDARDIZED & RAL COLORS

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



PLANOCOLOR® MICROCEMENT NON STANDARDIZED COLORS

The shades presented on the non standardized color chart are obtained by mixing the "basic" pigment NOVACOLOR DESIGN (i.e. for pastel green 12084 basic pigment is the 0084) with the relevant quantity of signal white 9003 pigment according to the proportions listed for each color. The prescript proportions refer to a quantity of 7,5kg PREMIUM, 5kg VENETICO or 10kg ANTICO powder.

| PASTEL GREEN | | 9 | THE RESERVE | | 32004 2.00004/3F0.v.l) |
|---------------------------|--------|----------|-------------|-------|--|
| | | | 40000 | | 12084= 2 x 0084 (250 ml) 12083= 1 x 0084 (250 ml) 12082= 1 x 0084 (250 ml) + 1 x 9003 (250 ml) |
| 12084 | 12083 | A/V / 2K | 12082 | 12081 | 12081 =1x0084(250 ml)+2x9003(250 ml) |
| KARYSTOS GREY | 15/1/2 | 11/2 | TO 18 18 18 | | 12074= 2×0074 (250 ml) 12073= 1×0074 (250 ml) |
| 12074 | 12073 | A/V / 2K | 12072 | 12071 | 12072=1 x 0074 (250 ml) + 1 x 9003 (250 ml) 12071=1 x 0074 (250 ml) + 2 x 9003 (250 ml) |
| VOLCANO GREY | 12063 | A/V / 2K | 12062 | 12061 | 12064= 2 x 0064 (250 ml) 12063= 1 x 0064 (250 ml) 12062= 1 x 0064 (250 ml) + 1 x 9003 (250 ml) 12061= 1 x 0064 (250 ml) + 2 x 9003 (250 ml) |
| VIOLET | 12053 | A/V/ 2K | 12052 | 12051 | 12054= 2 x 0054 (250 ml) 12053= 1 x 0054 (250 ml) 12052= 1 x 0054 (250 ml) + 1 x 9003 (250 ml) 12051= 1 x 0054 (250 ml) + 2 x 9003 (250 ml) |
| FLAMINGO PINK 12044 | 12043 | A/V/ 2K | 12042 | 12041 | 12044= 2 x 0044 (250 ml) 12043= 1 x 0044 (250 ml) 12042= 1 x 0044 (250 ml) + 1 x 9003 (250 ml) 12041= 1 x 0044 (250 ml) + 2 x 9003 (250 ml) |
| CORALLO 12034 | 12033 | A/V/ 2K | 12032 | 12031 | 12034= 2 x 0034 (250 ml) 12033= 1 x 0034 (250 ml) 12032= 1 x 0034 (250 ml) + 1 x 9003 (250 ml) 12031= 1 x 0034 (250 ml) + 2 x 9003 (250 ml) |
| TERACOTTA | 12023 | A/V/ 2K | 12022 | 12021 | 12024=2×0024 (250 ml) 12023=1×0024 (250 ml) 12022=1×0024 (250 ml)+1×9003 (250 ml) 12021=1×0024 (250 ml)+2×9003 (250 ml) |
| THIRA ORANGE | 12013 | A/V/ 2K | 12012 | 12011 | 12014=2×0014 (250 ml) 12013=1×0014 (250 ml) 12012=1×0014 (250 ml)+1×9003 (250 ml) 12011=1×0014 (250 ml)+2×9003 (250 ml) |

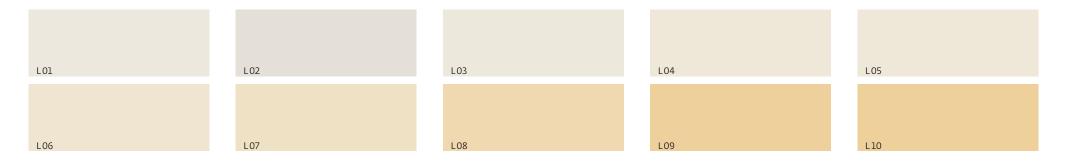
PLANOCOLOR® MICROCEMENT

SHADOW

Due to printing process all colors presented here should be considered as indicative



LIGHT



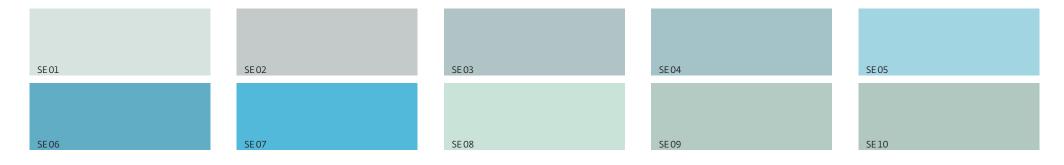
PLANOCOLOR® MICROCEMENT

EARTH

The mixing ratio is 1 NOVACOLOR DESIGN TERRA pigment for every 20kg PLANOCOLOR PREMIUM TERRA powder.



SEA



SWIMMING POOL WALLS & FLOORS



KITCHEN COUNTERTOPS & SPECIAL CONSTRUCTIONS - INTERNAL AREAS (3)

MAT-SATIN FINISH



 $1.00 \, \text{m}^2$

48 - 72 **HOURS** FIBERGLASS NET



PLANOCOLOR® PREMIUM 2K or SP 3 kg/m^2



FIBERGLASS NET $1.00 \, \text{m}^2$



24 - 36

HOURS (2)

PLANOFINISH EPOXY 100ml/m²



PLANOFINISH PU 2K/W MAT 120 ml/m² (2 layers)

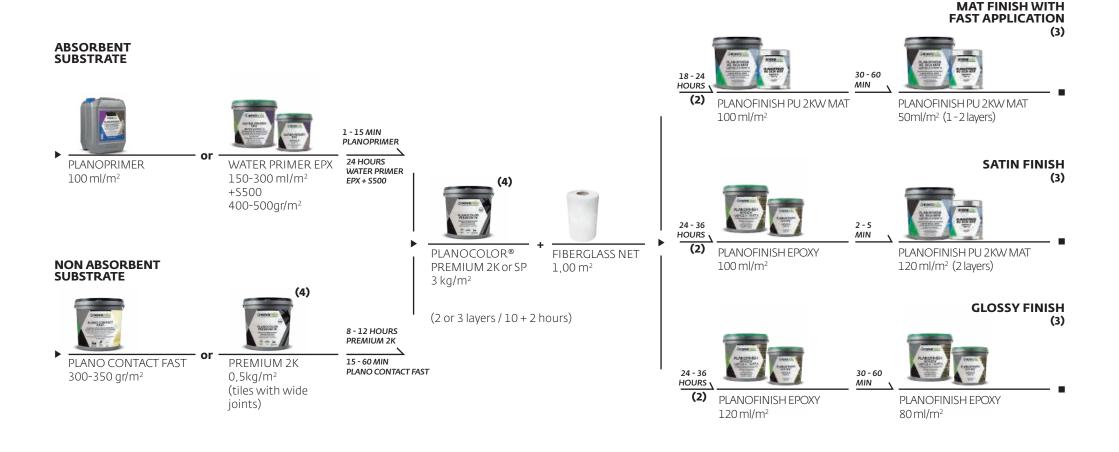
GLOSSY FINISH



PLANOFINISH EPOXY 80 ml/m² (1 layer)

(2 or 3 layers / 10 + 2 hours)

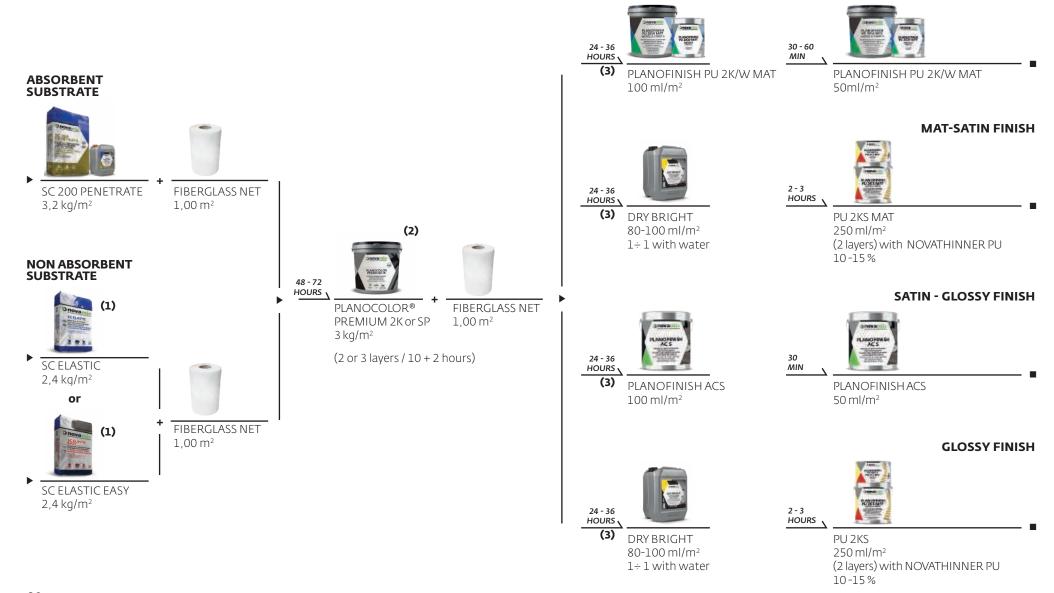
INTERNAL FLOORS



NOTES

- (1) SC ELASTIC & SC ELASTIC EASY are suitable also for absorbent substrates.
- (2) Application should take place only if surface humidity is less than 4%. The waiting times shown here are indicative.
- (3) It is recommended to apply PLANOFINISH HP (30 40m²/L) upon final varnish layer, provided the application is in internal floor and without standing water.
- (4) For internal or external walls and floors of medium-heavy use, PLANOCOLOR PREMIUM TERRA can also be used instead of PLANOCOLOR PREMIUM 2K. The consumptions and time durations depend on the job-site conditions and the type of application.

EXTERNAL FLOORS & WET AREAS



MAT FINISH WITH FAST APPLICATION

INTERNAL (3) & EXTERNAL WALLS

ABSORBENT VENETIAN WITHOUT COLOR SUBSTRATE (1) **STUCCO FINISH ALTERATION** 2 - 3 24 - 36 1-15 HOURS . **HOURS** MIN PROTECT 200 PROTECT 200 (3) PLANOCOLOR® VENETICO(*) **PLANOPRIMER** 80 ml/m² 40 ml/m² 100 ml/m² $1,2-2,5kq/m^2$ undiluted **MAT FINISH WITH FAST APPLICATION NON ABSORBENT MAT FINISH SUBSTRATE** 12 - 24 30 - 60 **HOURS** MIN 15-60 (3) PLANOFINISH PU 2K/W MAT PLANOFINISH PU 2K/W MAT MIN 100 ml/m² 50ml/m² **SATIN FINISH** PLANO CONTACT FAST PLANOCOLOR® PREMIUM 2K $1.5 - 2 \text{ kg/m}^2$ 300-350qr/m² (2 layers) **WET AREAS** 2-3 24 - 36 **HOURS HOURS DRY BRIGHT DRY BRIGHT** (3) 80 ml/m² 40 ml/m² 1÷1 with water undiluted **GLOSSY FINISH** (4) SC ELASTIC $2.4 \, kg/m^2$ or 30 - 60 24 - 36 MIN ΩΡΕΣ • PLANOCOLOR® FIBERGLASS NET PLANOFINISH EPOXY PLANOFINISH EPOXY (3) PREMIUM 2K or SP 1.00 m² 120 ml/m² 80 ml/m² 3 kg/m^2

NOTES

SC ELASTIC EASY

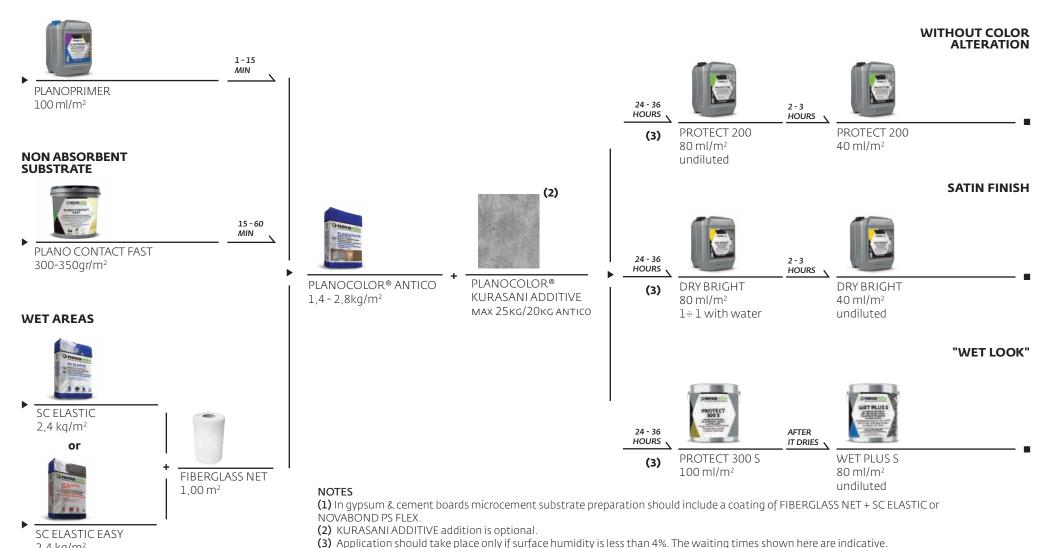
2,4 kg/m²

- (1) In gypsum & cement boards microcement substrate preparation should include a coating of FIBERGLASS NET + SC ELASTIC or NOVABOND PS FLEX.
- (2) For internal or external walls and floors of medium-heavy use, PLANOCOLOR PREMIUM TERRA can also be used instead of PLANOCOLOR PREMIUM 2K.
- (3) Application should take place only if surface humidity is less than 4%. The waiting times shown here are indicative.
- (4) PLANOFINISH EPOXY application is only recommended for indoor use.

The consumptions and time durations depend on the job-site conditions and the type of application.

INTERNAL & EXTERNAL WALLS WITH "ROUGH" TRADITIONAL OR SMOOTH VENETIAN STUCCO FINISH

ABSORBENT SUBSTRATE (1)



The consumptions and time durations depend on the job-site conditions and the type of application.

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 $2,4 \, kg/m^2$

TABLE C1 CONSUMPTION OF PLANOCOLOR® MICROCEMENT

| "SUBSTRATE" LEVELLING | Consumption / m ² | Notes | | |
|---|---|---|--|--|
| NOVACEM RAPID FLOW | 23 - 24kg/m²/cm | Application Thickness 20 - 80mm | | |
| RC 220 | 1,5kg/m²/mm | Application Thickness 2 - 20mm | | |
| RC 240 | 1,8kg/m²/mm | Application Thickness 5 - 40mm | | |
| PRIMERS FOR SUBSTRATE PREPARATION | Consumption / m ² | Notes | | |
| | · · · · · · · · · · · · · · · · · · · | Undiluted | | |
| | 100 - 120ml/m ² | | | |
| PLANOPRIMER | | Diluted 1:1 in water between microcement layers | | |
| PLANO CONTACT FAST | | Adhesion bridge on non-absorbent and smooth substrates | | |
| SC ELASTIC | | Application Thickness 2mm waterproofing on non-absorbent and smooth substrates | | |
| SC 200 PENETRATE | 3,2kg/m² | Application Thickness 2mm waterproofing on absorbent substrates | | |
| WATER PRIMER EPX | 150 - 300ml/m ² | 1-2 layers with S 500 scattering on the final still "fresh" layer (consolidation) | | |
| PLANOPRIMER EPOXY | 100 - 200ml/m ² | 1 layer with S 500 scattering on the final still "fresh" layer (bonding bridge) | | |
| S 500 | 400 - 500gr/m ² | Scattering on WATERPRIMER EPX or PLANOPRIMER EPOXY | | |
| PLANOCOLOR® PREMIUM 2K or SP & NOVACOLOR DESIGN | Consumption / m ² | Notes | | |
| FLOORS & SWIMMING POOLS (SP) | 3kg/m² | Application Thickness 3mm with NOVAMIX FIBERGLASS NET incorporation | | |
| NOVAMIX FIBERGLASS NET | 1,00m² | Total area in rolls of 50m ² | | |
| WALLS PREMIUM 2K or SP(*) | 1,5 - 2kg/m² | Application Thickness 1 - 2mm without FIBERGLASS NET incorporation | | |
| NOVACOLOR DESIGN | 2 pcs 250 or 500ml | STANDARIZED Color Chart for PREMIUM 2K or SP (15+2)kg | | |
| NOVACOLOR DESIGN | 2 - 6 pcs 250ml | Non-STANDARIZED Color Chart for PREMIUM 2K (15+2)kg | | |
| PLANOCOLOR® (*) PREMIUM TERRA | Consumption / m ² | Notes | | |
| PLANOCOLOR® PREMIUM TERRA | 2 - 2,5kg/m² (walls) & 3 - 4kg/m² (floors) | Application Thickness 2mm Application Thickness 4mm with NOVAMIX FIBERGLASS NET incorporation | | |
| NOVACOLOR DESIGN TERRA | 1 pc | For every 20kg of PLANOCOLOR® PREMIUM TERRA | | |
| PLANOCOLOR® (*) VENETICO or ANTICO & NOVACOLOR DESIGN | Consumption / m ² | Notes | | |
| VENETICO or ANTICO | 1,2kg/m²/mm or 1,2 - 1,4kg/m²/mm | Application Thickness 1 - 2,5mm without NOVAMIX FIBERGLASS NET incorporation | | |
| NOVACOLOR DESIGN A/V | 1 pcs 250ml | For every 5kg of VENETICO | | |
| NOVACOLOR DESIGN A/V | 2 pcs 250ml | For every 20kg of ANTICO | | |

^(*) For dry walls it is recommended to apply first a layer of SC ELASTIC or NOVABOND PS FLEX + NOVATHERM NET.

TABLE C2 VARNISHES CONSUMPTION PLANOCOLOR® MICROCEMENT

| VARNISHES & WATERPROOFER | Consumption / m² | Notes |
|---|---|--|
| PLANOFINISH PU 2KW MAT | 120 - 150ml/m ² | Applied undiluted in 2 layers. Upon DRY BRIGHT diluted 1:1 in water (consumption 80 - 100ml/m²), for 2 layers consumption is 120ml/m². Matt finish (INTERIOR & EXTERIOR SURFACES) |
| PLANOFINISH EPOXY & PLANOFINISH PU 2KW MAT | | Apply PLANOFINISH EPOXY in 1 layer followed by 2 layers of PLANOFINISH PU 2KW MAT 120ml/m². (KITCHEN COUNTERTOPS) |
| PLANOFINISH EPOXY | 200ml/m ² | Application in 2 layers. (GLOSSY FINISH FOR INTERIOR SURFACES). |
| DRY BRIGHT & PLANOFINISH PU 2KS or PLANOFINISH PU 2KS MAT NOVATHINNER PU | 80 - 100ml/m ² 250ml/m ² 30 - 40ml/m ² | DRY BRIGHT application as 1st layer (1/1 with water) followed by the 2nd & 3rd layer of PLANOFINISH PU 2KS or PLANOFINISH PU 2KS MAT (diluted 10 - 15% with NOVATHINNER PU). MAT - SATIN or GLOSSY FINISH, EXTERIOR FLOORS |
| PLANOFINISH PU 2KS NOVATHINNER PU | | Glossy with potential shade alteration. Apply diluted in 3 layers. 1st layer diluted with 35% NOVATHINNER PU, 2nd & 3rd layer of diluted 10 - 15% with NOVATHINNER PU (SWIMMING POOLS) |
| DRY BRIGHT | 100 - 250ml/m ² | Application in 2 layers. 1st layer diluted 1÷1 with water and 2nd undiluted. (SATIN WALLS & LIGHT USE) |
| PROTECT 200 | 120ml/m ² | Only for walls. Waterproofing without surface film or color alteration |
| PLANOFINISH AC S | 150 - 200ml/m ² | Application in 2 - 3 layers undiluted. (SATIN-GLOSSY FINISH FOR INTERIOR & EXTERIOR SURFACES) |





SUBSTRATE PREPARATION



PLANOPRIMER

Water based acrylic primer for adhesion enhancement. Consumption: 70 - 250 ml/m².

Consumption. 70 - 230 mi/m

Packaging: 20L, 5L and 1L.





PLANO CONTACT FAST

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

Onovami

PLANO CONTACT

Consumption: 300 - 400gr/m².

Packaging: 15Kg and 5Kg.



WATERPRIMER EPX

Two component, water based, solvent free epoxy primer for absorbent substrates that require consolidation.

Consumption: 100 - 150 ml/m².

Packaging: (2 + 1)L.



PLANOPRIMER EPOXY

Two component, solvent and water free, epoxy primer for absorbent and non absorbent substrates.

Consumption: 100 - 200 ml/m².

Packaging: (1,9 + 1,1) L.



SUBSTRATE **PREPARATION**





PLANO 120 S/F

Fast setting and hardening self-leveling compound for internal and external areas. Consumption: 1,8 kg/m²/mm of thickness. Packaging: 25Kg.



RC 220

R2 EN 1504-3 ACCORDING TO EUROPEAN NORM

One component multipurpose repairing mortar. Used for substrate levelling in a thickness of 2 - 20mm. Consumption: 1,5 kg/m²/mm of thickness.

EC 1°

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/m²/mm of thickness.

Packaging: 25Kg.







NOVACEM RAPID FLOW

Fast setting and drying fluid mortar for levelling floors. Used for substrate levelling in a thickness of 20 - 80mm. Consumption: 2,3 - 2,4 kg/m²/mm of

Packaging: 25kg.

thickness.



SUBSTRATE PREPARATION





SC ELASTIC EASY

One component, cement-based, flexible waterproofing mortar. Suitable for absorbent and non-absorbent substrates. Consumption: 1,2 kg/m²/mm.

Packaging: 20Kg.



SC ELASTIC

One component, cement-based, highly flexible waterproofing mortar. Suitable for absorbent and non-absorbent substrates. Consumption: 1,2 kg/m²/mm of thickness.

Packaging: 20Kg.



SC 200 PENETRATE

Two component cement based waterproofing mortar for absorbent substrates. Consumption: 1,6 kg/m²/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 m².



MICROCEMENT COATINGS



PLANOCOLOR PREMIUM 2K & PLANOCOLOR PREMIUM SP

Two component microcement coating for internal and external walls, floors and swimming pools.

Consumption: $2 - 3,2 \text{ kg/m}^2$.

Packaging: (15 + 2)Kg or (7,5 + 1)Kg.







PLANOCOLOR PREMIUM TERRA

Microcement coating for internal and external walls and floors.

Consumption: $2 - 4 \text{ kg/m}^2$.

Packaging: 20Kg.



PLANOCOLOR VENETICO

Microcement coating for internal, external and 'wet area' walls and ceilings with the effect of 'venetian stucco'.

Consumption: Approximately 1 kg/m²/mm of thickness.

Packaging: 20Kg and 5Kg.





PLANOCOLOR ANTICO

Microcement coating for internal, external and 'wet area' walls and ceilings with 'slightly rough, traditional' texture.

Consumption: 1,4 kg/m²/mm of thickness.

Packaging: 20Kg.



FINAL SURFACE FINISH



PLANOFINISH PU 2KW MAT

Aliphatic polyurethane varnish with mat finish and fast application (subsequent layer after 30 min).

Consumption: 100 - 150 ml/m².

Packaging: 5L and 1L.



PLANOFINISH PU 2KS MAT

Solvent based aliphatic polyurethane varnish with mat finish.

Consumption: 200 - 250 ml/m².

Packaging: 5L and 1L.



PLANOFINISH PU 2KS

Solvent based aliphatic polyurethane varnish with glossy finish.

Consumption: 250 - 375 ml/m².

Packaging: 5L and 1L.



PLANOFINISH EPOXY

Glossy, water based epoxy varnish - sealer. Consumption: 100 - 150 ml/m² for application in 2 coats.

Packaging: (2 + 1)L.



FINAL SURFACE FINISH



DRY BRIGHT

Water based polyurethane varnish for microcement coatings. Consumption: 100 - 250 ml/m².

Packaging: 5L and 1L.



PLANOFINISH AC-S

Solvent based acrylic sealer with satin-gloss finish for microcement coatings. Consumption: 150 - 200 ml/m².

Packaging: 5L and 1L.



1504 - 2 ACCORDING TO EUROPEAN NORM

PROTECT 200

Hydrophobic impregnating sealer for concrete, suitable also for waterproofing protection of microcement coatings in internal and external walls and ceilings.

Consumption: 0,1 - 2 L/m².

Packaging: 5L and 1L.



PLANOFINISH HP

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

Consumption: $30 - 40 \text{ m}^2/\text{L}$.

Packaging: 5L and 1L.



Edited by Novamix

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12th Edition 02/2022

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