

SurfaPro® Deco F

Decorative microcement coating for floors, walls and built-in furniture.

Description

SurfaPro® Deco F is a premixed, polymer-modified, fiber-reinforced, decorative microcement coating, without corrosive ingredients, suitable for indoor and outdoor applications to walls, offering:

- Abrasion resistance
- Excellent adhesion to the substrate
- Water-repellency
- A special aesthetic result

Certified according to EN 1504-3 and classified as a PCC R2 mortar for concrete repairs.

Fields of application

SurfaPro® Deco F is used both internally and externally, in numerous applications including stairs, floors, walls, as well as wherever a special aesthetic result is desired (e.g. Cycladic architecture). Also used in houses, stores, hotels etc., and special constructions such as built-in beds, built-in sanitary ware (washbasins, showers etc.).

Technical Data

Form	cementitious mortar
Colour	ready-made colors: white, grey, light grey & many more with SUPERCRETE DECO - COLOR pigments
Water demand	5.5-6.0 l/20kg bag
Application temperature	from +5°C to +35°C
Pot life	~ 90 mins
Application thickness:	1-10 mm per layer

Compressive Strength	≥ 28.0 N/mm ²
Flexural Strength, 28 days, at 27°C	7 MPa
Free linear Expansion, (ASTM C 827)	0.2%
Chloride ion content:	0.00 %
Adhesion Strength, 28 days at 27°C	1.4 MPa
Coefficient of Thermal Expansion, per °C	11·10 ⁻⁶ (Similar to Concrete)

Directions to use

Substrate Preparation

The substrate should be clean, free of dust, oil or grease, loose materials, etc. Any cavities such as cracks or holes in the substrate should be properly filled.

Before applying **SurfaPro® Deco F** to absorbent substrates such as masonry, concrete, plaster, gypsum board, they should be first primed with the acrylic primer STRUCOBOND GP in 1-2 layers, depending on the absorbency of the substrate. **SurfaPro® Deco F** is applied after 2-3 hours, depending on the weather conditions, provided that the primer has sufficiently dried.

Non-absorbent substrates such as old tile layers or terrazzo should be primed with SURFAPRO BASE. DUROCRET-DECO is applied after 24 hours, as long as the primer has completely dried.

Application

Walls

SurfaPro® Deco F is gradually added to water under continuous stirring until a mixture of the desired workability is formed. The product is applied with a 10 mm notched trowel. A 160

g/m² reinforcing fiberglass mesh is placed on the “combed” surface of **SurfaPro® Deco F** and then embedded with the smooth side of the trowel, forming a relatively even surface.

Twenty-four hours later, the hardened surface of **SurfaPro® Deco F** is primed with the acrylic primer STRUCOBOND GP.

While the primer is still fresh (fresh on fresh), **SurfaPro® Deco F** is applied in a thin layer (1-2 mm) in any desired color, forming the desired style of the microcement coating.

For application on walls made of gypsum boards or cement boards, it is necessary to add STRUCOBOND SBR to **SurfaPro® Deco F** (1-2 kg per 20 kg) to enhance its properties.

Floors

The application process is the same as that followed on wall surfaces with only one difference; STRUCOBOND SBR elastifying agent must be added to the mixture (1-2 kg per 20 kg of **SurfaPro® Deco F**). In this case, the amount of the mixing water should be reduced to as low a level as necessary for the mixture to obtain the desired workability.

Alternatively, SURFAPRO DECO XL, the flexible decorative microcement coating that does not need to be enhanced with resins, may be used instead of **SurfaPro® Deco F**.

One or two days after the application - provided that the surface is dry - the protective varnishes may be applied.

Coloring of Microcement mortar

SurfaPro® Deco F is available in three ready-made colors (white, grey, light grey). It can also be colored with SUPERCRETE DECO-COLOR high-quality inorganic pigments.

SUPERCRETE DECO-COLOR pigments are available in 10 colors and can be combined giving an unlimited number of colors.

For better mixing, the pigment should be dissolved into the mixing water prior to the addition of the mortar.

Application of the PU Top Coat

The microcement coating is protected with the application of the polyurethane water-based varnish either SURFAPRO PU-G or PU-M (gloss or matt).

SURFAPRO PU are applied with a roller in two layers. The second layer is applied 4-24 h after the first one as long as it has sufficiently dried.

Consumption: 70-120 g/m² per layer.

For better distribution of the varnish, it is recommended to dunk the roller in the varnish until is soaked, then drain it in the paint tray and apply it on the surface.

Consumption

Approx. 1.5 kg/m²/mm of layer thickness.

Packaging

SurfaPro® Deco F is available in HDPE bags of 20kg.

Shelf life & storage

12 months from production date if stored in original, unopened packaging, in temperature between +5°C and +35°C. Protect from direct sun exposure and frost.

Health & safety

The product contains cement powders which, when mixed with water, release alkalis that could be harmful to the skin. It is preferable that the application be done in a ventilated area, and to wear protective gear for hands, eyes and respiratory system and to avoid breathing of the dust. Splashes on the skin should be washed away by cleaning with soap and water. In case of contact with eyes, wash thoroughly with clean water. If swallowed, do not induce vomiting, in both cases seek medical attention. The product is non-flammable.