

DECOR SILK

Acrylic, one component microcement

DECOR

DECOR SILK is a ready-to-use, high elasticity, acrylic decorative coating in paste form, suitable for "microcement" type applications on walls and floors. It provides a smooth final finish as well as exceptional water resistance and protection from fungi, weather conditions and mechanical stress. It is available in numerous shades through the THRAKON coloring system.



Advantages:

- Ready-to-use.
- Strong water resistance.
- High elasticity.
- Fungi protection.
- Available in numerous shades.
- Certified with CE – according to the European standard EN 1504-2:2004.



TECHNICAL CHARACTERISTICS

Package:



Plastic containers
5 kg
15 kg



Application:

Suitable for indoor and outdoor use. Suitable for concrete, plaster, plasterboards, cement boards and other substrates after proper preparation.



Shades:

Numerous shades based on the THRAKON coloring system.



Storage:

In sealed containers in a cool and dry environment for 24 months from the production date.



Consumption:

~1,4-1,6 kg/m² per mm layer thickness.



Drying:

- On the surface, 3-4 h.
- Complete drying 24 h.

*Drying times refer to normal ambient conditions (25°C, 60% humidity). Drying times may differ in case of ambient temperature and humidity variations.

Application tools:

Metal spatula.



FIELDS OF APPLICATION

DÉCOR SILK is suitable for indoor and outdoor applications, on vertical surfaces of concrete, plaster, gypsum boards, cement boards and other substrates after appropriate preparation. It is ideal for special applications such as benches, beds, wash-basins, showers, window boxes, etc. In preserved buildings, hotels, houses restaurants, coffee places and nightclubs.

SUBSTRATE PREPARATION

Mix the product well before use. The substrate should be flat, free from loose particles, grease and oils. Substrate moisture should be below 4% and alkalinity within the appropriate limits (pH<9). For application on common substrates such as plaster, concrete, masonry and highly absorbent substrates, primer with DÉCOR PRIM.

APPLICATION

Substrate should be flat, free from loose particles, grease and oils. All new and old substrates should first be primed with DÉCOR PRIM. In very demanding applications and substrates that are going to be imposed to heavy loads we recommend the application of the microcement coatings DECOR or DECOR SUPERIOR before applying DECOR SILK. 24 hours after the application of DÉCOR PRIM, DÉCOR SILK is applied by plastic or metal trowel, depending on the style we want to achieve, in two layers. The second layer should be applied at least 3 h or after the complete drying of the first. Horizontal surfaces (staircases, floors etc.) require the use of glass fibre mesh 140-160 gr/m² after the first layer of DÉCOR SILK for better mechanical stress resistance, as well as expansion joints every 25 m. After the application of DÉCOR SILK, it is suggested to protect and waterproof the surface using the protective varnish DÉCOR PROTECT. Demanding applications and places with permanent moisture require the application of DÉCOR PU VARNISH, or DÉCOR PU AQUA.

The application of fibre mesh on small surfaces (eg kitchen) provides a rigid result. Furthermore, expansion joints secure the observation of mechanical displacements without problems. Glass fibre mesh is considered mandatory for surfaces greater than 25 m².

PROTECTION OF THE SURFACE

After the second layer of DÉCOR SILK, the surface is sanded and primed with DÉCOR PRIM. After at least 24 h for the application of DÉCOR PRIM the protective varnish is applied. We must be certain that the product has dried and lost its moisture completely, especially during the winter. Drying usually requires 1 d/mm layer thickness.

Varnish application:

The last stage of the system includes the selection of the final surface protection varnish. The choice should be made depending on the requirements and exposure conditions of microcement coating:

- DÉCOR PROTECT: water-based varnish for interior or exterior walls, where we have no standing water. Applied in 1-2 layers.
- DÉCOR PU VARNISH: 2-component polyurethane varnish for more demanding applications. It provides high abrasion resistance. It protects from UV radiation and is suitable for permanent immersion in water (showers, terraces, balconies, etc.). Applied in 1-2 layers.
- DÉCOR PU AQUA: 2-component polyurethane, water-based varnish, specially designed for the protection of microcement and other structural elements. Its special formulation contains UV filters against UV radiation, thus protects the colors and styles of the surface, while it is an odorless and solvent free product. Applied in two layers.

*The moisture of the substrate should be <4% and the ambient humidity <65%. Additionally, the temperature during the application and curing of the varnish must be between 8°C and 35°C. In cases where we have lower temperatures or rainfall is expected in the next 48 hours, application should be postponed.

TOOL CLEANING

Microcement application tools: With plenty of water immediately after use.

Varnish application tools: Immediately after use, drain excess material thoroughly into the container and clean tools using warm soapy water.

Do not dispose of washing waste water into the aquifer water.

HELPFUL TIPS

Do not apply the product:

- a) When there is frost forecast for the next 48 hours from the application of the microcement coating.
- b) On humid conditions (such as rain) and wetted substrates.
- c) On walls exposed to direct sunlight or on hot substrates.

The application of the system should be carried out by specialized applicators. The application of the polyurethane varnish DECOR PU VARNISH to protect the microcement coating in areas with permanent presence of water and/or hydrostatic pressure is made in 2-3 layers. The surface on which the system should be applied must be properly prepared (repaired and primed).

PRECAUTIONS

Calculate the amount of product needed to minimize excess use. Reusage of products can significantly lower the environmental impact of the product's life cycle. Wear suitable protective clothing and gloves. The consumption of food and drinks is prohibited during the application. For information on the safe use, storage and disposal of the product, read the information on the label and in the most recent Safety Data Sheet before use. The Product Safety Data Sheet is available on request to professionals. Leftover materials should not be disposed of with household waste. Advice should be sought from local authorities on the disposal and collection of waste.

[Poisons Information Centre Tel. +30 210 77.93.777](tel:+302107793777)

| Technical characteristics | Units | Standard | Value |
|---|------------------------------------|-------------------------------|---------------------|
| Color | | | White, Base TR |
| Viscosity | cP | EN ISO 2555 | 200,000 – 280,000 |
| Density | g/mL | EN ISO 2811-1 | 1.36 ± 0.03 |
| pH | | ISO 976 | 8.0 – 9.0 |
| Adhesion | N/mm ² | EN 1542 | ≥ 1 |
| CO ₂ Permeability S _d | m | EN 1062-6 | >50 |
| Water vapor permeability | | EN ISO 7783 -1, EN ISO 7783-2 | Class I (permeable) |
| Capillary absorption and water permeability | Kg/m ² h ^{0.5} | EN 1062-3 | <0,1 |

*Note: The measurements were taken in laboratory environment under a temperature of +23°C, Relative humidity 50% and without ventilation. It is possible for them to vary depending on the conditions prevailing at the worksite, such as temperature, humidity, ventilation, absorbability of the substrate.

The technical information and instructions contained in the present brochure and referring to the application and end use of Thrakon products are based on the up to now know-how and experience of the Company with regards to the products and are provided in good faith as long as such products are stored, used and applied as per Thrakon recommendations. Due to the inability, on our part, to directly inspect the conditions prevailing at the worksite as well as the application procedures of the product, the Company does not provide any guarantee with regards to the adequacy of its products for specific purpose while the Company shall not bear any legal responsibility based on the information stated in the present brochure or any other written, oral, or otherwise provided recommendations and instructions. The users of the products are advised to perform a limited surface testing of the products adequacy for the eventual application and use intentions. Thrakon reserves the right to modify the features of its products without prior notification. All orders shall be approved only following acceptance of the above and under the eventual Commercial Policy terms of the Company. The issuance of the present brochure voids any prior version.

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