

DECO CIRE

Decorative Forced Screed for horizontal and vertical surfaces.

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A ready-to-use pasty monolithic mortar designed for application on vertical and horizontal surfaces. Due to its special composition and contained scalar aggregates, provides an aesthetically excellent and smooth finish of traditional Cycladic coating. At the same time offers protection from daily use, weather, and mechanical stress. Suitable for indoor and outdoor use with the application of the appropriate painting system.



Stir well before use



Coverage:
1,5 -1,7kg/m²/mm



Drying time:
Touch dry 2-4 hrs



Thinning:
No thinning,



Paint:
Spatula

Product Characteristics

- Ready-to-use pasty material.
- Water-repellent.
- High elasticity.
- Protection of the product film from fungi
- Without material loss as it does not dry or hardens.
- Qualified for underfloor heating**
- Available in many shades
- CE Marking, according to EN 1504-2: 2004
- Patent-protected product (No: 1011066)

Shades

Available in white and light gray. Can be tinted in more than 165 shades with Berling's tinting system.

Packaging:

5Kg
15Kg



The above information is based on laboratory audits and the long experience of the scientific staff of the company. The quality of the product is guaranteed by the company's operating system which is based on the requirements of ISO 9001, ISO 45001, ISO 14001 and the EMAS regulation. As producers we are not responsible for any damage or damage caused in the event that the product has not been used for the appropriate application and in accordance with its instructions for use.

Technical Specifications



V.O.C	30gr/lt (Maximum Volatile Organic Compounds content ready for use).
Density	1,75 ± 0,03 gr/cm ³ (ISO 2811).
Viscosity	Highly thixotropic.
pH	7,8-8,8
Coverage	1,5 - 1,7kg/m ² /mm of film, depending on mode of application.
Drying time	Touch dry from 2 to 4 hours depending on weather conditions. Through dry will take at least 24 hours. (Longer dry time may be required depending on temperature and humidity).
Recoating	After 24 hours. Full hardening and final resistance properties of the product are achieved after 4 days at least. (Longer dry time may be required depending on weather conditions).
Thinning	Ready to use after adding Component B. No thinning.
Impact Test Results	Absent of Cracks in height 1m, by 1Kg falling weight. (EN ISO 6772).
Permeability to water vapour	Class I (EN ISO 7733)*
Capillary absorption and water permeability	< 0,1 Kg/ ² m · h 0,5 (EN ISO 7783)
Thermal cycling without de-icing salt impact	>2.0 N/mm ² (EN 13687-3)*
Adhesion (bond strenght)	> 2.0 N/mm ² (EN 1542)*
Adhesion after heat exposure	>2.9 MPa (EN 14891 A.6.5)**
Permeability to CO₂	> 50 m (EN 1062)*
Release of dangerous substances	Comply with 5.3 (EN 1504-2)*

ACCORDING TO 2004/42/EK

Phase II,
Subcategory I,
decorative effect
coatings, V.O.C
content limit value
= 200gr/lt,
Maximum V.O.C.
Content = 30gr/lt
(ready to use).

*Based on the System:
Quartz+ Deco Cire+
PU Varnish
**Based on the Tested
System (Eurofins):
Quartz+ Deco Cire+
PU Varnish



Storage

Storage indoors to avoid exposure to high or low surfaces and high humidity conditions. Avoid sources of heat, radiation, static electricity, and storage near food. Keep container tightly closed. After opening can use product in a short period of time. Close the can well.



Safety Instructions- Prevention of environmental harming

Minimize paint wastage by estimating how much paint you will need. Recover unused paint for reuse. Reuse of paint can effectively minimize the products life cycle environmental impact. Clean tools with water and soap. Do not put residual paint down the kitchen sink or toilet or into a waste bin. Empty cans with paint residues should be handled the same way and disposed according to local Regulations. You should ask for advice for the local government section responsible for the collection and disposal of waste. Ask for advice from an authorized body for waste recovery. Wear protective gloves and goggles/ Do not eat, drink when handling the product. Wash wand with suitable cleaning products. Keep out of reach of children. Always read the can label before use.

For further information ask for the Safety Data Sheet of the product.

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Recommended application systems

New/Old surfaces

Stir well before use. Before applying, use Component B in a ratio of 0,500 kg/15 kg Deco Cire and stir well. Use a metal stirrer to fully homogenize the mixture. The substrate must be dry and stable. Its humidity should not exceed 4%, and its alkalinity should be within acceptable limits (pH<9).

Apply by a metal or plastic spatula.

For surface protection and waterproofing always apply the recommended protective final varnish, following its application instructions and the recoating times.

Application Instructions

Vertical surfaces: Apply the specific primer according to the surface type and then apply Deco Cire using a plastic or metal coating spatula depending on the effect you want to achieve.

Floors, stairs, etc.: Apply the specific primer according to the surface type. Then apply Deco Cire using a plastic or metal coating spatula depending on the effect you want to achieve. For greater mechanic strength the use of mesh 140-160gm/m² is required after the Deco Cire first coat, as well as use of expansion joint per 25m². Optionally, mesh application on small surfaces (Kitchen Counters 60gr) or larger surfaces (Floors 140-160gr) reinforces the structure. In addition, the projection of expansion and contraction joints on surface ensures smooth monitoring of mechanical movements. When applying use the specific additional Component B in a ratio of 0,500kg/15kg.

Walls and floors made of reinforced concrete or cement mortar - plasterboard or fibreboard - Ytong - synthetic.

Preparation	Thoroughly clean the surface where the material is to be applied from dust, salts, grease, old peeling paints or concrete pieces etc	
Primer - Substrate	Quartz adhesion primer.	1 coat
Intermediate coating	Deco Cire Apply each coat with at least a 24-hour time interval from the previous. <i>(The number of coatings required may vary depending on the type of surface.)</i>	3 coats

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Recommended application systems



Final protection coating	<u>Protection for household use:</u> water-based varnish Force , (applied 4 days after the Deco Cire final coat).	2-3 coats
	<u>Protection for bathrooms:</u> epoxy, two component varnish Berocyd 111 (applied at least 7 days after the Deco Cire final coat).	2 coats
	<u>Protection for demanding surfaces:</u> Two component polyurethane varnish PU Varnish . (applied 4 days after the Deco Cire final coat).	2-3 coats
On surfaces larger than 25m².	Mandatory use alkali- resistant mesh 70 or 160gr . (In case of mesh use, more coats of DECO CIRE are required.)	

Surfaces with smooth, glossy and absorption - reduced finish: white-paste tiles or granite tiles - marbles.

Preparation	Thoroughly clean the surface where the material is to be applied from dust, salts, grease, old peeling paints or concrete pieces etc	
Primer - Substrate	Two component epoxy varnish Berocyd 111 adding Quartz or Quartz Tiles	1 coat
Intermediate coating	Deco Cire Apply each coat with at least a 24-hour time interval from the previous. <i>(The number of coatings required may vary depending on the type of surface.)</i>	3 coats
Final protection coating	<u>Protection for household use:</u> water-based varnish Force , (applied 4 days after the Deco Cire final coat).	2-3 coats
	<u>Protection for bathrooms:</u> epoxy, two component varnish Berocyd 111 (applied at least 7 days after the Deco Cire final coat).	2 coats
	<u>Protection for demanding surfaces:</u> Two component polyurethane varnish PU Varnish . (applied 4 days after the Deco Cire final coat).	2-3 coats
On surfaces larger than 25m².	Mandatory use of Alkali-resistant mesh 70 or 160gr (In case of mesh use, more coats of Deco Cire are required.)	

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Floors with underfloor heating

Preparation Thoroughly clean the surface where the material is to be applied from dust, salts, grease, old peeling paints or concrete pieces etc.

Primer – Substrate lightweight insulating concrete ** Quartz adhesion primer: 263 g/m² (EN 14891 A.6.5)** 1 coat

Intermediate coating underfloor heating** **Deco Cire:** 1850 g/m² applied in 3 coats with the use of reinforcing mesh after the first coat (EN 14891 A.6.5) ** 3 coats
Apply each coat with at least a 24-hour time interval from the previous.
(The number of coatings required may vary depending on the type of surface.)

Final Protection coating Protection for underfloor heating **: Two component polyurethane varnish PU Varnish 144 g/m² applied in three coats (EN 14891 A.6.5) ** 3 coats
(applied 4 days after the Deco Cire final coat).

On surfaces larger than 25m². Mandatory use of Alkali-resistant mesh **70 or 160gr**

(In case of mesh use, more coats of Deco Cire are required.)

General application notes On continuous surfaces, it is recommended to use the same product batch. Different batches should be mixed and fully homogenized before use to avoid color variations.