

TECHNICAL DATA SHEET

BETONCRYLL IDROREPELENTE

Technical Qualities

BETONCRYLL WATER-REPELLENT by OIKOS is a special protective coating for concrete with a transparent colourless finish. The product is based on silicone/siloxanic resins in water dispersion which allows the product to penetrate deep into the substrate creating a water-repellent barrier, which maintains the level of vapour permeability and leaves the aspect of the substrate unaltered. It allows rainwater to slide along the walls preventing absorption and reducing dirt retention. It can also be used on brickwork, grès, tiles, stone and cement or lime-based plasters. It has a low odour level, is non-inflammable and is friendly to both humans and the environment.

Ideal Use

Protection and decoration of reinforced concrete, stone and bricks.

Surface Preparation

Clean the surface to be treated, removing any loose or flaking material, dust, smog or dirt using a brush or by washing the surface. New surfaces must be thoroughly dry and mature with no presence of grease or lubricants.

Application Method

Once the surface is prepared, apply by brush, roller or spray gun (nozzle 1.3 ÷ 1.7 mm), two coats of BETONCRYLL WATER-REPELLENT undiluted, wet on wet.

Technical Characteristics: Application

Dilution:	Ready to use
Yield:	11 ÷ 13 m ² / l in two coats, depending on the absorption of the surface.
Application tools:	Brush, roller or spray gun (nozzle 1.3 ÷ 1.7 mm).
Application temperature:	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time until touch dry:	30 min. (temperature = 20°C with relative humidity at 75%)

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Total drying time: 24 h (temperature = 20°C with relative humidity at 75%)

Tools cleaning: Water

Technical Characteristics: Product

Composition: Siliconic/siloxanic resins in water dispersion, preservatives and additives to aid application

Specific weight: 1 kg/l +/- 3%

pH: 6.5 ÷ 7.5

Viscosity: 50 +/-5% CPS Brookfield (RVT 20 revs/min at 25°C)

Storage temperature: +2°C ÷ +36°C. Keep from freezing

Reaction to fire: Negative when applied onto a non flammable surface: water based material with dry thickness of less than 0,600 mm

Water absorption

W24: 0,01 kg/m².h^{0.5} DIN 52 617 (max. allowed limit 0.5 kg/ m².h^{0.5} DIN 52 617)

Vapour

permeability Sd: 0,05 m (max allowed limit 2 m DIN 52 615)

Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE:

Classification: A/h ; VOC: 20 g/l (max);

Limit Phase II (from 1.1.2010): 30 g/l

Colours: Transparent, colourless

Packaging: lt 1 - 4 - 10

Safety Information

The product is free of heavy metals such as lead or chrome. It does not contain toxic solvents, aromatics or chlorides. There is no risk of any dangerous polymerisation. The product is considered to be a non-dangerous substance if used in the technically correct manner. Normal cautionary measures for the handling of water based paints are advised. No special arrangements are required for the storage, movement and transportation of the product; the containers, residue, eventual spilt material should be cleaned up using absorbent inert material such as sand, soil etc. etc. and then disposed of in accordance with the regional and national regulations in force at that time. Transportation must be carried out in accordance with international agreements.

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Specifications

Clean the surface to be treated removing any loose material, smog, dust or dirt using a brush or by washing. Apply two coats of a protective siliconic/siloxanic coating with water absorption W24:0,01 kg/m².h^{0,5} and vapour permeability Sd: 0,05 m such as BETONCRYLL IDROPELENTE by OIKOS undiluted. All must be carried out in accordance with the norms of application, at a cost of m2. inclusive of materials and labour. Scaffolding not included.

Notes

The company Oikos Spa guarantees, to the best of its own technical and scientific knowledge, that the information contained in this technical data sheet is correct.

Notwithstanding that indicated above, Oikos takes no responsibility for the results obtained through the use of this product in as much as it is not possible for Oikos to check or control the application method used. For this reason, we recommend that you check carefully that each product chosen, is suitable for each individual use to which it is put.