

## TECHNICAL DATA SHEET

### ----- FAÇADE DIVISION -----

#### Betoncryll Trasparente

#### sez. 1.0 Technical characteristic

BETONCRYLL TRANSPARENT is a special acrylic protective coating for concrete with a transparent, wet look finish. The product consists of modified acrylic resins in water dispersion, which provide a waterproof protective coating resistant to penetration of CO<sub>2</sub> and SO<sub>2</sub> gases present in rain and smog, to frost thaw cycles, and to the low pH level of the cement. BETONCRYLL TRANSPARENT provides an anti carbonation barrier and protects concrete against the oxidation of the reinforcing iron rods. Due to its high vapour permeability the product can be applied onto masonry, fiber cement and stone. It has a low odour level, is non inflammable and is friendly to both humans and the environment.

#### sez. 2.0 Ideal Use

Protection and decoration of reinforced concrete, stone and bricks

#### sez. 3.0 Surface preparation

Carefully clean the surface to be treated removing any loose or flaking material, dust, smog or dirt by brushing thoroughly or washing the surface. New surfaces must be thoroughly dry and mature and free from grease and lubricants.

#### sez. 4.0 Application method

On old and powdering surfaces apply as a primer, a coat of BETONCRYLL TRASPARENTE diluted 70 ÷ 80% with drinkable water. After preparation of the surface apply by brush, roller or spray gun (nozzle 1.3 ÷ 1.7 mm), two coats of BETONCRYLL TRANSPARENT, leaving 4 hours between coats, diluting the first coat 40% and the second 20% with drinkable water. BETONCRYLL TRANSPARENT is recommended for protection of exterior tiles, natural stone and bricks.

#### sez. 6.0 Technical Characteristic: application

Dilution	First coat 40%, second coat 20% with drinkable water (one coat diluted 70 ÷ 80% as a primer for old, powdering and highly absorbent surfaces).
Yield	12 ÷ 16 m <sup>2</sup> /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%)
Tack free time	1 ÷ 2 hours (temperature = 20°C with relative humidity at 75%)
Total drying time	10 ÷ 12 hours (temperature = 20°C with relative humidity at 75%)
Tools cleaning	Water

#### sez. 7.0 Technical Characteristic: the product

Composition	Modified acrylic resins in water dispersion, preservatives to aid application and the formation of the surface film.
Specific weight	1.03 kg/l ± 3%
pH	8 ÷ 9
Viscosity	50 +/- 5% CPS Brookfield (RVT 20 revs/min. a 25°C)
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Reaction to fire	Negative when applied onto a non inflammable surface: water based material with dry thickness of less than 0,600 mm
Water absorption W24	0.02 kg/ m <sup>2</sup> .h0.5 DIN 52 617 (max allowed limit 0.5 kg/ m <sup>2</sup> .h0.5 DIN 52 617)
Resistance to washing	Conforms to the norm DIN 53 778: resistance to at least 1,000 abrasive cycles

Resistance to abrasion	Conforms to the norm DIN 53 778: resistant to more than 5,000 abrasive cycles
Adhesion	Conforms to the norm DIN ISO 4624
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	Classification: A/h; VOC: 23 g/l (max); Limit Phase I (from 01/01/2007): 50g/lt, Limit Phase II (from 01/01/ 2010): 30g/lt
Available colours	Transparent, colourless
Packaging	1 – 4 – 14 l

### sez 8.0 Toxicological data

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

### sez. 9.0 Specifications

Clean the surfaces to be treated, brush or wash away smog and dust, remove loose or flaking materials. Onto old, powdery and chalking substrates, apply as primer, a coat of an acrylic protective product such as BETONCRYLL TRASPARENTE by OIKOS diluted 70 ÷ 80%. In case of new plasters, make sure the substrate is thoroughly dry and free from any grease or lubricants. After preparing the substrate, apply two coats of a diluted acrylic protective coating such as BETONCRYLL TRASPARENT by OIKOS, waiting 4 hours between coats. All must be carried out in accordance with the norms of application, at a cost of ..... m<sup>2</sup>. inclusive of materials and labour. Scaffolding not included

### Note

*The company Oikos S.r.l 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.*