

## TECHNICAL DATA SHEET

### ----- FAÇADE DIVISION ----- Betoncryll Semitransparent

#### sez. 1.0 Technical characteristic

BETONCRYLL SEMITRASPARENT is a special acrylic protective coating for concrete with a coloured semi-transparent finish. The product consists of modified acrylic resins in water dispersion which provide a waterproof protective coat resistant to frost thaw cycles and to penetration of CO<sub>2</sub> and SO<sub>2</sub> gases present in smog and rain, that are today, the worst enemies of concrete because they cause the carbonation and the consequent rusting of concrete iron rods. The product also prevents the development of moulds and algae. Its high vapour permeability allows BETONCRYLL SEMITRASPARENT to be used also on 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.

#### sez. 4.0 Application method

On old and powdering surfaces apply as a primer, a coat of BETONCRYLL SEMITRASPARENT 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 SEMITRASPARENT allowing 4 hours between coats. Dilute the first coat 40% and the second 20% with drinkable water. The final colour of BETONCRYLL SEMITRASPARENT can vary depending on the absorption of the surface.

#### 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	11 ÷ 13 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%)
Drying time: tack free	1 ÷ 2 hours (temperature = 20°C with relative humidity at 75%)
Drying time: fully cured	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, organic and inorganic pigments, preservatives to aid application and the formation of the surface film.
Specific weight	1.05 kg/l $\pm$ 3%
pH	8.5 ÷ 9.5
Viscosity	2,000 +/- 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 flammable 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
Available colours	Shades of BETONCRYLL SEMITRASPARENT colour chart
Packaging	1 – 4 – 14 l

**sez 8.0 Toxicological data**

The product is free of any toxic, pigments or other components containing heavy metals such as lead or chrome. Further to this, the product contains no toxic solvents, aromatics or chlorides. There is no risk of any dangerous polymerisation. The product is non combustible and is held to be a non toxic 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, any spillage should be cleaned up using absorbent inert material such as sand, soil etc. and then disposed of as any normal waste product according to national and regional current regulations. The transportation must be carried out in conformity 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 SEMITRASPARENT 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 SEMITRASPARENT by OIKOS, waiting 4 hours between coats.. 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