

Technical Qualities

BETONCRYLL SEMISTRASPARENTE is a special acrylic protective coating for concrete with a coloured semitransparent 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 CO₂ and SO₂ 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. In the event that an even greater level of protection against mould and algae is needed, it is recommended to add the indicated additive STERYLPLUS to the product. Its high vapour-permeability allows BETONCRYLL SEMISTRASPARENTE 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.

Ideal Use

Protection and decoration of reinforced concrete, stone and bricks.

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.

Application Method

On old and powdering surfaces apply as a primer, a coat of BETONCRYLL SEMISTRASPARENTE diluted 70 ÷ 80% with drinkable water. After preparation of the surface, apply by brush, roller or spray gun (nozzle 1.3 ÷ 1.7mm), two coats of BETONCRYLL SEMISTRASPARENTE allowing 4 hours between coats. Dilute the first coat 40% and the second 20% with drinkable water. The final colour of BETONCRYLL SEMISTRASPARENTE can vary depending on the absorption of the surface.

Safety information

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.

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	1,05kg/l ±3%
pH	8.5 ÷ 9.5
Viscosity	2,000 ±5% CPS Brookfield (RVT 20 r.p.m. at 25°C)
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Reaction to fire	<ul style="list-style-type: none"> Negative when applied onto a non flammable surface water based material with dry thickness of less than 0,600mm
Water absorption W ₂₄	0,02kg/m ² .h.0.5 DIN 52 617 (max. allowed limit 0.5kg/m ² .h.0.5 DIN 52 617)
Resistance to washing	In compliance to DIN 53 778, resistant at least 1,000 abrasive circles
Resistance to abrasion	In compliance to DIN 53 778, resistant at least 5,000 abrasive circles
Adhesion	Conforms to the norm DIN ISO 4624
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42 CE	<ul style="list-style-type: none"> Classification: A/h VOC: 26g/l (max) Phase I limits (from 1.1.2007): 50g/l Phase II limits (from 1.1.2010): 30g/l
Colours	Shades from the colour chart
Packaging	Liters 1 - 4 - 14

The 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 ÷ 13m ² /l in two coats, depending on the absorption of the surface
Application tools	Brush, roller or spray gun (nozzle 1.3 ÷ 1.7mm).
Application temperature	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time until touch dry	1÷2h (temperature = 20°C with relative humidity at 75%)
Total drying time	10 ÷ 12h (temperature = 20°C with relative humidity at 75%)
Tools cleaning	Water

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 SEMISTRASPARENTE by OIKOS diluted 70 ÷ 80%. In case of new plasters, make sure the substrate is thoroughly dry and free from any grease or lu-

bricants. After preparing the substrate, apply two coats of a diluted acrylic protective coating such as BETONCRYLL SEMISTRASPARENTE 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.