

Technical qualities

DECORSIL VENEZIA is a water repellent, vapour permeable coating that offers outstanding resistance. Formulated with quartz powder with texture of 0.7mm, the product gives the possibility of realising several finishes: the Cloud effect, the rustic effect and the troweled finish. The product consists of siloxanic resins in water dispersion which guarantee excellent weatherability and maintains the vapour permeability of the substrate, preventing the formation of mould and algae. Additionally, the product is resistant to acids and frost and thaw cycles. Thanks to its water repellence, DECORSIL VENEZIA keeps masonry dry and improves energy saving; it also assures the best hygienic conditions and house comfort. It can be used as finish coat on high diffusion plasters and on all wall surfaces. For its special characteristics, the product is recommended above all for prestige buildings and the restoration of old town areas.. 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. It has a low odour level, is non flammable and is friendly to both humans and the environment.

Ideal use

Exterior walls of prestigious buildings, suggested for high diffusion and dehumidifying plasters.

Surface preparation

Surfaces must be completely dry and mature, new plaster must mature for at least 30 days to allow complete carbonisation of the surface. Clean the surfaces to be decorated and remove loose or flaking materials. In case of new plasters, make sure the substrate is thoroughly dry. In case of restoration works, repair water infiltration or leaks. Allow the wall to dry, then apply the special primer DECORSIL PRIMER or DECORSIL PRIMER PIGMENTATO by OIKOS. Allow the primer to dry for 12 hours then apply the finishing products.

Finishes

In order to give to the wall a paint wash effect it is possible to apply, once the surface is dry, one coat of VELDECOR by OIKOS finishing by working over the product with the trowel.

The product

Composition	Siloxanic resins in water dispersion, titanium dioxide, mineral fillers, preservatives and additives aimed at helping application and film formation
Specific weight	1,60kg/l \pm 3% (white)
Grain size	Max 0,7mm
pH	8.5 \div 9.5
Viscosity	37,500 \pm 5% CPS Brookfield (RVT 20 r.p.m. at 25°C)
Storage temperature	+2°C \div +36°C. Keep from freezing
Water absorption	Class W ₃ (Low permeability) w = 0,035 kg/(m ² h0,5) (EN 1062-3:2001)
Vapour permeability	Class V ₂ (Medium permeability) Sd = 0,76 m (EN ISO 7783-2:2001)
Measurement of bond strength by pull off	f _n = 0,7 MPA (min. f _n > 0,3 MPA) (EN 1542:2000)
Durability	f _n = 0,7 MPA (min. f _n > 0,3 MPA) (EN 13687-3:2003)
Thermal conductivit	$\lambda_{10, dry} = 1,28$ W/mK (P = 90%) (EN 1745:2005)
Reaction to fire	Euroclass B-s1,d0 (EN 13501:2009)
Resistance to washing	Conforms to the norm DIN 53 778, resists to atleast 1.000 abrasive cycles
Resistance to abrasion	Conforms to the norm DIN 53 778, resists to atleast 5.000 abrasive cycles
Adhesion and resistance to detachment	Conforms to the norm DIN ISO 4624
CE Labelling:	Conforms (EN 15824:2009)
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42 CE	<ul style="list-style-type: none"> • Classification:A/c • VOC: 35g/l (max) • Limit Phase I (from 1.1.2007): 75g/l • Limit Phase II (from 1.1.2010): 40g/l
Colours	White and shades from the colour chart
Packaging	Liters 4 - 14

The application

Dilution	Ready to use for "Rustic" and "Troweled" effect 5 - 10 % with drinkable water or "Cloud" effect
Yield	<ul style="list-style-type: none"> • 1m²/l in one coat for "Rustic" effect • 1 m²/l in two coats for "Troweled" effect • 3 \div 4 m²/l in one coat for "Cloud" effect
Application tools	Short hair brush, medium-grain sponge, cloth pad, plastic trowel, stainless steel trowel
Primers	DECORSIL PRIMER PIGMENTATO, DECORSIL PRIMER by OIKOS.
Application temperature	+5°C \div +36°C (with relative humidity not exceeding 80%)
Drying time until touch dry	2 \div 3 h (temperature = 20°C with relative humidity at 75%)
Total drying time	12 \div 14 h (temperature = 20°C with relative humidity at 75%)
Tools cleaning	Water

Application Method

Apply DECORSIL VENEZIA following application instructions according to the desired decorative effect:

- **Troweled finish:** apply two, even coats of DECORSIL VENEZIA by stainless steel trowel. Wait 7 ÷ 8 hours between coats, then using a plastic trowel polish by sleeking the surface with circular movements.
- **Rustic finish:** apply a single coat of DECORSIL VENEZIA undiluted by stainless steel trowel; then work on the product using the special honeycomb roller to achieve the desired effect.
- **Cloud finish:** apply a first coat of DECORSIL VENEZIA diluted with 5 ÷ 10% drinkable water by shorthair brush and work crossing the brush strokes. Allow 6 hours to dry and apply the finish coat of DECORSIL FIRENZE diluted with 5% drinkable water by shorthaired brush, crossing the brush-strokes. Wait 15 ÷ 20 min. then rub over the surface with a cloth pad spreading the product to achieve the desired light and shade contrast.

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.

Specifications

Clean the surfaces to be treated removing loose or flaking materials. In case of new plasters, make sure the substrate is thoroughly dry. In case of restoration works, repair water infiltrations or leakages. Allow the wall to dry, then apply a primer such as DECORSIL PRIMER or DECORSIL PIGMENTATO by OIKOS. Allow the primer to dry for 12 hours, then evenly apply a coating such as DECORSIL VENEZIA by OIKOS. All must be carried out following closely all application instructions, cost..... per m² including application and materials. Scaffolding not included.