

Technical Qualities

DECORSIL ROMA by OIKOS is a special, siloxanic, water based, matt finish, mineral paint for exteriors. It is water repellent, vapour permeable and extremely resistant. The product consists of siloxanic resins in water dispersion, which guarantee an excellent weatherability and maintain the vapour permeability of the substrate unaltered. Thanks to its water repellence, DECORSIL ROMA by OIKOS keeps masonry dry and improves energy saving; it also assures the best hygienic conditions and house comfort. DECORSIL ROMA by OIKOS can be used as finish coat on high diffusion plasters and on all wall surfaces. Due to its special characteristics, the product is recommended above all for prestige buildings and for restoration of old buildings of historical value. For a better prevention against algae and mould we recommend the addition of the sanitizing product SterylPlus. Additionally, the product is resistant to acids and frost thaw cycles DECORSIL ROMA by OIKOS has a low odour level, is non inflammable and is friendly to both humans and the environment.

Compliant with CAM (Minimum Environmental Criteria), III level certification. EPD.



Ideal Use

Exterior walls of prestigious buildings, recommended for high diffusion and dehumidification plasters.

Surface Preparation

The surfaces must be completely dry and mature, new plaster must mature at least 30 days to allow the 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 infiltrations or leaks. Allow the wall to dry, then apply the special primer DECORSIL PRIMER or DECORSIL PRIMER PIGMENTATO by OIKOS.

Application Method

Allow the primer to dry for 12 hours, then apply two coats of DECORSIL ROMA by OIKOS by roller or brush. Wait 6 hours between coats. Dilute the product with 15 ÷ 20% drinkable water.

Finish

In order to obtain a wash effect apply on the dry surface one coat of VELDECOR by OIKOS and work it over the surface with a brush, sponge or glove by OIKOS.

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

Prodotto

Composition	Siloxanic resins in water dispersion, titanium dioxide, mineral fillers, organic and inorganic pigments, preservatives and additives aimed at helping application and film formation.
Specific weight	1.55 kg/l +/-3% (White)
pH	8,5 ÷ 9,5
Viscosity	25,000 +/-5% CPS Brookfield (RVT 20 revs/min. at 25°C)
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Reaction to fire	• None if applied on a non-inflammable surface; • water based material with a thickness when dry or 0.600 mm.
Water absorption W ₂₄	0.032 kg/m ² .h0.5 DIN 52 617 (max allowed limit 0.5 kg/m ² .h0.5 DIN 52 617)
Vapour permeability S _d	0.021 m (max allowed limit 2 m DIN 52 615)
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
CAM (Minimum Environmental Criteria):	III level certification. EPD
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	Classification:A/c VOC: 19 g/l (max); Limit Phase II (from 1.1.2010): 40 g/l
Colori	White + colour chart
Confezioni	lt 1 - 4 - 14

Application

Dilution	15 ÷ 20% with drinkable water
Yield	4 ÷ 5 m ² /l in two coats depending to the absorption of the surface
Application tools	Brush, roller
Primers	DECORSIL PRIMER PIGMENTATO, DECORSIL PRIMER by OIKOS
Application temperature	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time until touch dry	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

nary 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 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 infiltrations or leakages. Allow the wall to dry, then apply a primer such as DECORSIL PRIMER or DECORSIL PIGMENTATO by OIKOS. Then apply 2 coats waiting 6 hours between coats of a special siloxanic mineral water based paint for

exteriors, with low water absorption W₂₄: 0,032 kg/m².h0,5 DIN 52 617, high vapour permeability S_d:0,021 m DIN52 615, compliant with CAM (Minimum Environmental Criteria) with III level certification EPD such as DECORSIL ROMA by OIKOS. All must be carried out following closely all application instructions, cost per m² including application and materials. Scaffolding not included.

NOTE

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