

Technical Qualities

ARCHITAL by OIKOS is a special, highly washable, anti mould, water-based, acrylic paint for exteriors. The product's formulation combines the durability and resistance of quartz with the special qualities of acrylic resins such as, good strength, resistance to U.V, outstanding vapour permeability, durable elasticity, weatherability, excellent coverage and furthermore prevents the formation of mould and algae. ARCHITAL by OIKOS has a matt smooth finish and is recommended for the protection and decoration of prestige buildings, even when located in weather-beaten environments. 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-inflammable and is friendly to both humans and the environment.

Ideal Use

The exterior of prestigious buildings.

Surface Preparation

In case of old or previously painted substrates, brush or wash away dust, remove loose or flaking materials, then apply one coat of the special primer Neokryll by OIKOS. Wait 4 ÷ 6 hours until dry. In case of new plasters, make sure the substrate is thoroughly dry and mature and then apply one coat of primer Blankor by OIKOS to improve adhesion and render the absorption homogenous. Allow 6 ÷ 8 hours to dry.

Application Method

Apply two coats of ARCHITAL by brush, roller or spray gun (nozzle 1.7mm) diluted with 20 ÷ 30% drinkable water, waiting 6 hours between coats.

Finish

In order to obtain a wash effect, apply to the surface thoroughly dry, a coat of VELDECOR by OIKOS and work on it 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 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.

The product

Composition	Acrylic resins in water dispersion, quartz powder, titanium dioxide, organic and inorganic pigments, additives to aid application and formation of the surface film
Specific weigh	1.58 kg/l ±3% (White)
pH	8.5 ÷ 9.5
Viscosity	26,000 ±5% CPS Brookfield (RVT 20 revs/min. at 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 0,600mm
Water absorption W_{24}	0.25kg/m ² .h ^{0.5} DIN 52 617 (max allowed limit 0.5kg/m ² .h ^{0.5} DIN 52 617)
Vapour permeability Sd	0.22m (max allowed limit 2m DIN 52 615)
Resistance to washing	Conforms to the norm DIN 53 778, resistant 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
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42 CE	<ul style="list-style-type: none"> • Classification: A/c • VOC: 13g/l (max) • Limit Phase I (from 1.1.2007): 75g/l, • Limit Phase II (from 1.1.2010): 40g/l
Colours	White + shades from the colour chart
Packaging	It 1 - 4 - 14

The application

Dilution	20 ÷ 30% with drinkable water.
Yield	4 ÷ 5m ² /l in two coats.
Application tools	Brush, roller or spray gun (nozzle 1.7mm).
Primers	NEOKRYLL, BLANKOR by OIKOS
Application temperature	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time until touch dry	2 ÷ 3 hours (temperature = 20°C with relative humidity at 75%)
Total drying time	24h (temperature = 20°C with relative humidity at 75%)
Tools cleaning	Water

Specifications

In case of old or previously painted substrates, brush or wash away smog and dust, remove loose or flaking materials.

Apply one coat of a primer such as Neokryll by OIKOS. In case of new plasters, make sure the substrate is thoroughly dry and mature, apply one coat of a primer such as Blankor by OIKOS

to improve adhesion and render the absorption homogenous. Then apply two coats of a water-based decorative acrylic paint such as ARCHITAL by OIKOS, waiting 6 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.

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.