

TECHNICAL DATA SHEET

TEL

Archital

Technical characteristics

sec. 1

ARCHITAL by OIKOS is a special, highly washable, anti mould, water-based, acrylic paint for exteriors. The product's formulation combines the resistance properties of quartz with the special qualities of acrylic resins such as, good strength, U.V.-rays resistance, 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 protection and decoration of prestige buildings, even when located in weather-beaten environments. It is odourless, non-toxic, non-flammable and environmentally friendly.

Ideal Use

sec. 2

The interior and exterior of prestigious buildings

Surface Preparation

sec. 3

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

sec. 4

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

Finishes

sec. 5

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.

Technical characteristics: the application

sec. 6

Dilution/Mixing	20 ÷ 30% with drinkable water
Yield	4 ÷ 5 m 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: tack free	2 ÷ 3 hours (temperature = 20°C with relative humidity 75%)
Drying time: fully cured	24 hours (temperature = 20°C with relative humidity 75%)
Tools cleaning	Water

Technical characteristics: the product

sec. 7

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 weight	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
Fire reaction	Negative if applied onto a non flammable surface; water based material with dry thickness of less than 0.600 mm
Water Absorption W24	0.25 kg/m ^{2,10.5} DIN 52 617 (max allowed limit 0.5 kg/m ^{2,10.5} DIN 52 617)
Vapour permeability Sd	0.22 m (max allowed limit 2 m 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.
Available Colours	White + shades from the colour chart DCS Decor Color System by OIKOS
Packaging	1 - 4 - 14 l

Toxicological data

sec. 8

The product is free of any toxic substances 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

Specifications

sec. 9

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