

## Technical Qualities

FLEXIGRAP by OIKOS is a flexible base coat, good for covering uneven surfaces, with a matt rough finish, for exteriors and interiors. The fillers used, with a selected grain size (0,3 mm), allow the product to help even out uneven surfaces, making it possible to cover small imperfections and irregularities.

The product is composed of silanised, acrylic and elastomeric resins in water dispersion that make it extremely flexible with excellent adhesion even on difficult surfaces (tiles, stone, smooth cement).

For surfaces in good condition there is no need to apply a primer since FLEXIGRAP makes it possible to decorate an entire façade with the application in only two coats: one coat of FLEXIGRAP and one coat of a product chosen from the Oikos Exterior façade range, thus saving time and money.

FLEXIGRAP is water repellent, light resistant, resistant to the elements and pollutants as well as preventing the formation of mould and algae. The flexibility of the product remains stable over time, even if exposed to U.V light, or to frost-thaw cycles.

FLEXIGRAP has been EC labelled for Systems for the protection of concrete surfaces as per EN 1504- 2:2005 as much as it ensures protection against carbonation to surfaces made of reinforced concrete.

It is recommended for use in the renovation of historical centres, villas, residential developments and industrial premises and in general for the protection and recovering of all wall surfaces and thermal insulation systems when it is necessary to even the surface or renovated plaster work, guaranteeing very good adhesion and protection against carbonation.

The product has low odour, is non inflammable and is friendly to humans and the environment.

## Ideal Use

Exterior and Interior walls.

## Surface Preparation

On powdering surfaces or surfaces that are not compact, remove any deposits of smog, dust or other similar elements by brushing or washing. Remove any loose or flaking materials and then apply a coat of the special sealer NEOKRYLL by Oikos. Wait 4 ÷ 6 hours until dry.

## Application Method

Apply FLEXIGRAP diluted 10% with drinkable water by brush or roller. Be sure to evenly distribute the product over the surface. Leave to dry for between 4-6 hours.

## Finishes and Protection

The finish coat can be realized by applying a single coat of a finish product chosen from the Oikos Exterior range, thus saving money and time. For shades belonging to the Design colour

## The product

Composition	Silanised acrylic resins and acrylic elastomers in water dispersion, titanium dioxide based fillers and additives to facilitate application and the formation of the surface film.
Specific weight	1,50-1,60 kg/l (white)
Grain size	Max = 0,3 mm
pH	8÷9
Viscosity	17.000-22.000 CPS Brookfield (RVT 20 revs/min. at 25°C)
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Water absorption	W3 (low permeability to liquid water) (UNI EN 1062-3:2008)
Permeability to water vapour	V2 (medium permeability) (UNI EN ISO 7783-2:2012)
Crack Bridging Ability (CBA)	Class A2 (UNI EN 1062-7:2005)
Emission limits of Volatile Organic Compounds (VOC), according to Directive 2004/42/CE	Classification: A/c (classification limit A/c: 30 g/l); VOC: 08 g/l (ISO 11890-2)
Colours	White + shades from the ECS colour collection
Packaging	4-14 l
EC labelling for systems for the protection of concrete surfaces EN 1504-2:2005, as per EN 1504-2:2005 requirements	
Permeability to carbon dioxide	SdCO <sub>2</sub> >50 m, complies (UNI EN ISO 1062-6:2003)
Measurement of bond strength by pull off	f <sub>h</sub> > 0,8 MPa complies (UNI EN 1542:2000)
Water absorption	w<0,1 kg/m <sup>2</sup> h 0,5 complies
Permeability to water vapour	Sd<5 m, class I

## Application

Dilution	By roller or brush max. 10% with drinkable water By spray gun max. 10% with drinkable water (depending on the type of spray gun)
Yield	in 1 coat: 3 ÷ 4 m <sup>2</sup> /l according to the absorption of the surface
Application tools	Brush, Roller or Spray gun (by suitable equipment)
Sealer	NEOKRYLL by OIKOS
Application temperature	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time until touch dry	2÷3 h (temperature = 20°C with relative humidity at 75%)
Drying time until fully dry	24 h (temperature = 20°C with relative humidity at 75%)
Tools cleaning	Water

collection or with reduced covering capability it is necessary to follow the instructions given in the Exterior colour fan.

## 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. 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 surface to be painted by removing any loose or flaking material. New surfaces should be thoroughly dry and mature. In case of very crumbly, absorbing or powdering surfaces apply a coat of a sealer such as NEOKRYLL by OIKOS. Once the surface is ready, apply one coat of a base coat, good for covering uneven surfaces such as FLEXIGRAP by OIKOS. Further apply one coat of a finish material chosen from the Oikos Exterior range.

All should be carried in accordance with the norms of application, with a cost of ..... per m<sup>2</sup> including material and labour.

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