

TECHNICAL DATA SHEET
FLEXIGRAP LISCIO

Technical characteristics

FLEXIGRAP LISCIO is a water-based special primer with a smooth finish. This is a product beyond compare, which combines maximum performance and application simplicity with an ecological attitude without compromise. It is designed to never disappoint you, especially in the most difficult conditions (tiles, plastics, PVC, glass, wall, plasterboard), where other primers could cause you troubles.

Flexigrap Liscio adheres where others fail to. It gives new life to any environment.

ADVANTAGES

- Allows you to renovate any surface according to your taste and creativity.
- Makes it possible to change a room style or refresh it without masonry works
- Allows to save money in a clever, easy way
- No need to renounce to the best quality
- Ecological product with a very low VOC content

Ideal Use

Non-porous substrates or surfaces that cause problems of adhesion, such as; tiles, zinc sheets, plastic laminates, aluminium, PVC etc., in interior and exterior.

WHERE:

AT HOME

Bathroom/kitchen/corridors/basement/garage/attic/ground floor room ...

AT WORK

Kitchen of canteens and restaurants/shops/hotels/sheds/production units/companies/warehouses

Surface preparation

Thoroughly clean the surface to be treated, remove grease marks using suitable products and sand down using fine sandpaper.

Application method

Apply by brush, roller or spray gun (1.3 ÷ 1.7 mm nozzle) one coat of FLEXIGRAP LISCIO leaving 6 hours before applying finish coats.



Finishes/Protectives

The products from the range INTERIOR PAINT, INTERIOR DECOR, ECOSMALTI NOVALIS: NOVALIS ECOSMALTO UNIVERSALE, NOVALIS ECOSMALTO FERROMICACEO, NOVALIS ECOSMALTO METALLIZZATO can be used as finish coats.

Technical Characteristic: application

Dilution	<u>By brush or roller:</u> ready to use, max 5% with drinkable water; <u>By spray gun:</u> 5 ÷ 10% with drinkable water
Yield	8 ÷ 14 m ² /l per coat according to the surface
Application tools	Brush for acrylic enamels, roller or spray gun (1.3 ÷ 1.7 mm nozzle)
Application temperature	+5°C ÷ +36°C (relative humidity not higher than 80%)
Drying time: tack free	2 ÷ 4 h (temperature= 20°C humidity not higher than 75%)
Drying time: fully cured	36 h (temperature= 20°C humidity not higher than 75%)
Drying time: painting over	6 h (temperature= 20°C humidity not higher than 75%)
Tools cleaning	Water

Technical Characteristic: the product

Composition	acrylic resins in water dispersion, titanium dioxide based pigments, organic and inorganic pigments and additives to aid application and the formation of the surface film
Specific weight	1.2kg/l +/-3%
PH	8.5 ÷ 9,5
Viscosity	1500-2000 CPS +/-5% Brookfield (RVT 20 revs/min at 25°C)
Storage temperature	+2°C ÷ +36°C. Keep from freezing



Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	Classification: A/i; VOC: 50g/l (max); Limit Phase II (from 01/01/ 2010): 140 g/ltr
Colours	white + shades from the colour chart
Packaging	Ltr 1- 4- 14

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

Thoroughly clean the surface to be treated, remove grease marks using suitable products and sand down using fine sandpaper. Apply one coat of a water-based primer such as FLEXIGRAP LISCIO by OIKOS.

All must be carried out in accordance with the norms of application, at a cost ofmq. inclusive of materials and labour.

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.



TECHNICAL DATA SHEET

FLEXIGRAP 03

Technical Qualities

FLEXIGRAP 03 by Oikos is a special, filling (0.3 mm), uniforming, flexible primer with a rough matt finish, for exteriors and interiors. The product is composed of silanised, acrylic and elastomeric resins in water dispersion which make it extremely flexible with excellent adhesion even on difficult surfaces (tiles, stone, smooth cement).

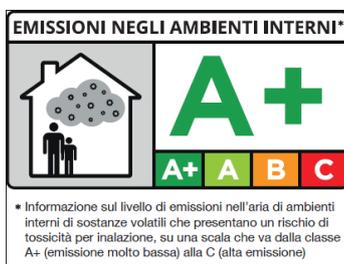
On interiors, the product evens non-homogenous surfaces, is easy to apply and permits to decorate tiles or other smooth surfaces without efforts. Product certified in class A+ under emissions classifications (Decree of the Official French Gazette dated 19th April 2011).

On exteriors, for surfaces in good condition, it makes it possible to decorate an entire façade with the application in only two coats: one coat of FLEXIGRAP 03 and one coat of a product chosen from the Oikos Exterior façade range, thus saving time and money.

FLEXIGRAP 03 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. Compliant with CAM (Minimum Environmental Criteria). III level certification. EPD.

SPECIAL PRIMER – RENOVATES ANY SURFACE – EASY TO APPLY

Product certified in class "A+" under emissions classifications (Decree of the Official French Gazette dated 19th April 2011).



Ideal Use

Exterior and Interior walls.

Surface Preparation

On smooth surfaces: thoroughly clean the surface to be treated, remove grease marks using suitable products and sand down using fine sandpaper.

On surfaces in good condition: there is no need to apply a primer

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 a special sealer. Wait 4 ÷ 6 hours until dry.

Application Method



TECHNICAL DATA SHEET fg/02

Apply FLEXIGRAP 03 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

On interiors: paints from the range Deco Paint.

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

Technical characteristics: 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 ² /l according to the absorption of the surface
Application tools:	Brush, Roller or Spray gun (by suitable equipment)
Sealer:	On interiors: Neofix On exteriors: 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

Technical characteristics: 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)

EC labelling for Systems for the protection of concrete surfaces as per EN 1504-2:2005

As per EN 1504-2:2005 requirements:

-Permeability to carbon dioxide: Sd _{CO2} >50 m, complies	(UNI EN ISO 1062-6:2003)
-Measurement of bond strength by pull off:	fh > 0,8 MPa complies (UNI EN 1542:2000)
- Water absorption:	w<0,1 kg/m ² h ^{0,5} complies
- Permeability to water vapour:	Sd<5 m, class I

Minimum Environmental Criteria (CAM): III level certification. EPD

Emission limits of Volatile Organic Compounds (VOC), according to Directive 2004/42/CE:

VOC:8 g/l (ISO 11890-2)

Classification: A/h (classification limit A/h: 30 g/l)

Colours: White + Pastel shades + Shades from the ECS colour collection



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. Once the surface is ready, apply one coat of a base coat, good for covering uneven surfaces, with EPD certificate and A+ class under emissions classifications such as FLEXIGRAP 03 by OIKOS. Further apply one coat of a specific finish material.

All should be carried in accordance with the norms of application, with a cost of per m² including material and labour.

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.

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

