

Technical characteristics

Ecological, water-based enamel that allows the realisation of splendid decorative effects in the range of shades pertaining to metals and their oxides. It allows the creation of metallic finishes on any kind of surface, which will be embellished and intensified by light reflection. It does not contain formaldehyde.

Ideal Use

For internal and external use on iron, wood, galvanized metal sheet, PVC, etc.

Surface Preparation

Clean the surface to be painted, removing any loose or flaking material. Traces of dirt or grease must be removed using appropriate products.

On ferrous surfaces: sand and in case of rust apply one coat of CONVERTITORE ECOLOGICO and one coat of ANTIRUGGINE ECOLOGICO.

On wooden surfaces: sand and apply one coat of ECOFONDO RIEMPITIVO. When dry, sand with abrasive paper.

On galvanized metal sheet, PVC and smooth surfaces: clean and remove grease, where possible sand with fine abrasive paper, then apply one coat of AGGRAPPANTE ECOLOGICO.

On previously painted surfaces: sand with fine abrasive paper and apply one coat of SOTTOSMALTO ECOLOGICO.

Application method

Being a product with a metallic finish its application must be homogenous.

The application by brush is allowed only for really small areas by applying, after a proper preparation of the surface, two coats of ECOSMALTO METALLIZZATO, with an interval between coats of 5 ÷ 6 hours.

Application by Brush and Sponge Glove: to get a more homogenous application with a slightly cloudy effect without the marks left by the brush, it is advisable to dab the surface with a sponge glove so as to remove any imperfection. Dilute ECOSMALTO METALLIZZATO by 10% of drinkable water and apply it by brush on small areas of the wall (max 50x50 cm), then immediately dab the entire zone with the special SPONGE GLOVE (item code 115). Wait 5-6 hours until dry and apply a second coat of product in the same way as before.

Application by spray: to get a homogenous and smooth effect, apply ECOSMALTO METALLIZZATO diluted by 20% by spray (nozzle 1,3 mm) in two coats.

First coat: spray the product onto the surface from left to right and back again from right to left with the spray gun nozzle set in the horizontal position. Following this spray from top to bottom and back again from bottom to top with the nozzle set in the vertical position and without waiting between the two coats. The crossing over of the

The application

Dilution	By brush: 10%. By spray: 20% with drinkable water
Yield	6 ÷ 7 m ² /l in two coats
Application tools	Brush and sponge, spray (nozzle 1,3 mm)
Base coat	CONVERTITORE ECOLOGICO, ANTIRUGGINE ECOLOGICO, ECOFONDO RIEMPITIVO, AGGRAPPANTE ECOLOGICO, SOTTOSMALTO ECOLOGICO by OIKOS
Application temperature	+05°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time: tack free	2 ÷ 4 h (temperature = 20°C with relative humidity at 75%)
Drying time until washable	7 days (temperature = 20°C with relative humidity at 75%)
Total drying time	36 h (temperature = 20°C with relative humidity at 75%)
Time until possible to paint over	5 ÷ 6 h (temperature = 20°C with relative humidity at 75%)
Tools cleaning	water

Warning: the product tends to sediment. Mix and shake mechanically before use.

The product

Composition	Special acrylic resins in water dispersion, organic and inorganic pigments, metallic pigments, additives to aid application and formation of the surface film.
Specific weight	1,1 kg/l +/- 3%
Gloss level	45 ÷ 70 gloss (riflessometro Ericksen 500/60°)
PH	8 ÷ 9
Viscosity	3.000 ÷ 6.000 CPS +/- 5% Brookfield (RVT 20 revs/min. at 25°C)
Storage Temperature	+2°C ÷ +36°C. Keep from freezing
Wet-scrub resistance and cleanability	Classe 1; UNI EN ISO 11998:2003 (Classe 1: Max - Classe 5: min)
Adhesion to base (grid incision)	Classe 0; UNI EN ISO 2409:1996 (Classe 0: Max - Classe 5: min)
Fire reaction	Negative if the product is applied on a non inflammable base; water based material with a dry thickness of less than 0,600 mm
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	Classification: A/d; VOC: 50 g/l (max); Limit phase II (from 1.1.2010): 130 g/l
Colours	Shades of the colour chart
Packaging	litres 0.75 - 2.25

two jets determines the evenness of the product application. Second coat: once dry, after 3 ÷ 4 hours, repeat the application as per the first coat.

Finish and protection

NOVALIS ECOPROTETTIVO FERRO 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.

Specifications

Apply an acrylic enamel with metallic finish such as ECOSMALTO METALLIZZATO after having prepared the surface with a proper base coat depending on the surface. All must be carried out in accordance with the norms of application and at a cost of m² including material and application.

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.