

Technical Qualities

NOVALIS METALLIZZATO by OIKOS is a decorative enamel with metallic finish with Low Impact on the Environment. The product is meant for interiors and exteriors and allows the realisation of splendid decorative effects in the range of shades pertaining to metals and their oxides. The special application techniques, by spray and by glove, convey elegance and prestige to surfaces. NOVALIS METALLIZZATO, in its various selected colours, allows the creation of metallic finishes on any kind of surface, which will be embellished and intensified by light reflection. The product is within the limits of the norm I004/42/CE regarding VOC emissions, it is non inflammable and is friendly to both humans and the environment.

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 NOVALIS CONVERTITORE by OIKOS and one coat of NOVALIS ANTIRUGGINE by OIKOS.

On wooden surfaces: sand and apply one coat of NOVALIS FONDO RIEMPITIVO by OIKOS. 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 NOVALIS AGGRAPPANTE by OIKOS.

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

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%
PH	8 ÷ 9
Gloss level	45 ÷ 70 gloss (riflexmeter Ericksen 500/60°)
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	Class 1; UNI EN ISO 11998:2003 (Class 1: Max – Class 5: min)
Adhesion to base (grid incision)	Class 0; UNI EN ISO 2409:1996 (Class 0: Max – Class 5: min)
Reaction to fire	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	<ul style="list-style-type: none"> • 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	Lt 0,75 – 2,25

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	NOVALIS CONVERTITORE, ANTIRUGGINE, FONDO RIEMPITIVO, AGGRAPPANTE, SOTTOSMALTO by OIKOS
Application temperature	+5°C ÷ +36°C (with relative humidity not over 80%)
Tack free time	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.

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 NOVALIS 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 NOVALIS 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 NOVALIS 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 guns 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 two jets determines the evenness of the products application.

Second coat: once dry, after 3 ÷ 4 hours, repeat the application as per the first coat.

Finish and protection

NOVALIS FERRO PROTETTIVO 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 the acrylic enamel with metallic finish NOVALIS 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.