

Novalis Iron Finish

Technical characteristic

sec. 1

NOVALIS IRON FINISH by OIKOS is a special enamel created with acrylic resins and mica pigments that give the treated surface an aged, wrought iron finish. The particular tile structure of these mica pigments, creates a barrier against atmospheric agents and U.V. rays thus avoiding the deterioration of the substrate. It is highly recommended in environments with aggressive climates and it is ideal for the protection of gates, railings and urban fittings. The product has excellent dilation and does not run during application, characteristics that give it very good coverage even on irregular surfaces. It is odourless, non-toxic, non-flammable and environmentally friendly.

Ideal use

sec. 2

On iron, wood, walls, zinc, PVC etc. in interiors and exteriors surfaces.

Surface preparation

sec. 4

Clean the surface and remove detaching parts. Grease or oil must be removed with appropriate products.

On iron: sand down with fine sandpaper, if rust is present apply of coat of NOVALIS RUST CONVERTER and one coat of NOVALIS ANTI-RUST by OIKOS.

On wood: sand down and apply one coat of NOVALIS FILLING AGENT by OIKOS. When dry sand with fine sandpaper.

Application method

sec. 4

After support preparation apply two coats of undiluted NOVALIS IRON FINISH, by brush or roller, waiting 4-5 hours between coats. In case of application by spray gun (2 ÷ 2.5 mm nozzle) dilute with 10 ÷ 15% drinkable water. NOVALIS IRON FINISH can be applied directly onto zinc and PVC.

Finish

sec. 2

NOVALIS UNIVERSAL ENAMEL by OIKOS..

Technical characteristics: the application

sec. 6

Dilution	By brush or roller: ready to use By spray gun 10 ÷ 15% drinkable water
Yield	5 ÷ 7 m2/l per coat according to the surface
Application tools	Brush, roller or spray gun (2 ÷ 2.5 mm nozzle)
Base coat	NOVALIS RUST CONVERTER, NOVALIS ANTI-RUST, NOVALIS FILLING AGENT by OIKOS
Protective	NOVALIS IRON FINISH by OIKOS
Application temperature	+5°C ÷ +36°C (relative humidity not higher than 80%)
Drying time: tack free	2 h (temperature= 20°C humidity not higher than 75%)
Drying time: fully cured	12 ÷ 14 h (temperature= 20°C humidity not higher than 75%)
Drying time: for painting over	6 h (temperature= 20°C humidity not higher than 75%)
Tools cleaning	Water

Technical characteristics: the product

sec. 7

Composition	acrylic resins in water dispersion, micaceous pigments and additives to aid in application and the formation of the surface film.
Specific weight	1.5kg/l +/-3%
PH	8 ÷ 9

Technical data sheet NVL/vf/01

Viscosity	6.000 ÷ 12.000 +/-5% CPS Brookfield (RVT 20 revs/min at 25°C)
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Fire reaction:	negative when the product is applied onto a non flammable surface: water based material with dry thickness of less than 0.600 mm
Resistance to wash	conforms to norm DIN 53 778: resistant to at least 1,000 abrasive cycles
Resistance to Abrasion	conforms to norm DIN 53 778: resistant to at least 5,000 abrasive cycles
Colours	colour chart
Packaging	0,75 - 2.25

Toxicological data

sec. 8

The product is free of any harmful substances, pigments 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

sez. 9

Clean the surface and remove detaching parts by metal brush or fine sand paper. Degrease with appropriate products. After having prepared the surface, apply two coats of an enamel such as NOVALIS IRON FINISH. All must be cleaned with suitable products in accordance with the norms of application, at a cost ofmq. inclusive of materials and labour. Scaffolding not included