

# TECHNICAL DATA SHEET

## NOVALIS IRON FINISH

### Technical Qualities

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. The product has a low level of odour, is non – inflammable and is friendly to both humans and the environment.

### Ideal Use

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

### Surface Preparation

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 a 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

After the surface has been correctly prepared, 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

NOVALIS IRON PROTECTION by OIKOS

### Technical Characteristics: Application

Dilution:                   by brush or roller: ready to use  
                                  by spray gun: 10 ÷ 15% drinkable water

Yield:	5 ÷ 7 mq/l according to the surface
Application tools:	brush, roller, spray gun (2–2.5 mm nozzle)
Base coat:	NOVALIS CONVERTER, NOVALIS ANTIRUST,NOVALIS FILLIG AGENT by OIKOS
Application temperature:	+5°C ÷ +36°C (relative humidity not higher than 80%)
Drying time tack free:	2 h (temperature = 20°C with relative humidity at 75%)
Drying time fully cured:	12 ÷ 14h (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 Characteristics: Product**

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
Viscosity:	6.000÷12.000 +/-5% CPS Brookfield (RVT 20 revs/min at 25°C)
Storage temperature:	+2°C ÷ +36°C. Keep from freezing
Reaction to fire:	Negative when applied onto non inflammable surfaces. It is a water-based product with dry thickness less than 0.600mm.
Resistance to wash:	Conforms to norm DIN 53778: resistant to more than 1,000 abrasive cycles
Resistance to abrasion:	Conforms to norm DIN 53778: resistant to more than 5,000 abrasive cycles
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE:	Classification: A/d; VOC: 35g/l (max); Limit Phase I (from 01/01/2007): 150g/l, Limit Phase II (from 01/01/ 2010): 130g/l

Colours: Shades of colour charts

Packaging: 0,75 – 2,25 l

## **Toxicological Data**

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**

Clean the surfaces with wire brushes or fine sandpaper, degrease with appropriate products. After surface preparation, apply two coats of an enamel such as NOVALIS FERROMICACEO by OIKOS. All must be carried out in accordance with the norms of application, at a cost of .....mq. inclusive of materials and labour. Scaffolding not included

*The company Oikos S.r.l 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.*