

## TECHNICAL DATA SHEET

### ----- PAINT DIVISION -----

#### *Novalis Iron Protection*

#### **sez. 1.0 Technical characteristic**

NOVALIS IRON PROTECTION by OIKOS is a 100% acrylic, transparent, protective coating for metal. It is non yellowing, scratch resistant, water repellent and washable. Protecting the metal, the product brings out and highlights the beauty and the decorative patterns of the support, with a gloss effect. It is ideal to protect NOVALIS IRON FINISH by OIKOS from wear and dirt. The product has a low odour level, is non inflammable and friendly to both humans and the environment.

#### **sez. 2.0 Ideal Use**

Protection for NOVALIS IRON FINISH by OIKOS

#### **sez. 3.0 Surface preparation**

Clean the surface to be treated, removing any dirt, dust and grease with the appropriate products

#### **sez. 4.0 Application method**

Apply one or two coats of NOVALIS IRON PROTECTION not diluted by brush or roller leaving 6 hours between coats. Dilute NOVALIS IRON PROTECTION 5 ÷ 10% with drinkable water for application by spray gun (0.8 ÷ 1.3 mm nozzle)

#### **sez. 6.0 Technical Characteristic: application**

Dilution	By brush or roller: ready to use By spray gun 5 ÷ 10% drinkable water
Yield	12 ÷ 14m <sup>2</sup> /l per coat according to the surface
Application tools	Brush, roller or spray gun (0.8 ÷ 1.35 mm nozzle)
Application temperature	+5°C ÷ +36°C (relative humidity not higher than 80%)
Drying time: tack free	1÷2 h (temperature= 20°C humidity not higher than 75%)
Drying time: fully cured	12 h (temperature= 20°C humidity not higher than 75%)
Tools cleaning	Water

#### **sez. 7.0 Technical Characteristic: the product**

Composition	acrylic resins in water dispersion, additives to aid in application and the formation of the surface film.
Specific weight	1kg/l +/-3%
PH	8 ÷ 9
Viscosity	600÷1200 +/-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 inflammable surface: water based material with dry thickness of less than 0.600 mm
Resistance to Abrasion	conforms to norm DIN 53 778: resistant to at least 5,000 abrasive cycles
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	Classification: A/d; VOC: 55g/l (max); Limit Phase I (from 01/01/2007): 150g/l, Limit Phase II (from 01/01/ 2010): 130g/l

Packaging	0,75 – 2.25
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**sez 8.0 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.

**sez. 9.0 Specifications**

Clean the surface to be protected, removing any dirt, dust and grease with the appropriate products. Apply two coats of a protective coating for metal such as NOVALIS IRON PROTECTION 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.

**Note**

*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.*