

TECHNICAL DATA SHEET

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NovalisUniversal Enamel

Technical characteristic

sec. 1

NOVALIS UNIVERSAL ENAMEL by OIKOS is a pure acrylic solvent free enamel, for exteriors and interiors, suitable for use on all types of surfaces: Iron, wood, zinc sheets, PVC etc. Its formulation makes NOVALIS UNIVERSAL ENAMEL by OIKOS easy to use as it does not drip or run during application. It adheres well to the support and dilates to give excellent coverage and at the same time is highly resistant to abrasion and washing. The product is non-yellowing due to its resistance to atmospheric agents and solar radiation, and possesses also a high elasticity. NOVALIS UNIVERSAL ENAMEL by OIKOS is available in gloss, satin and matt finishes. It is odourless, non-toxic, non-flammable and environment friendly.

Ideal use

sec. 2

On iron, wood, zinc, PVC etc. in interior and exterior surfaces.

Surface preparation

sec. 3

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

On iron: Sand down or use NOVALIS RUST CONVERTER by OIKOS in order to remove any rust then apply a coat of NOVALIS ANTI-RUST by OIKOS

On wood: Sand down and apply a coat of NOVALIS FILLING AGENT by OIKOS. After complete drying sand down with fine sandpaper

On zinc sheets, PVC and smooth surfaces: Clean and degrease, where possible sand down with fine sandpaper. Following this apply one coat of NOVALIS SPECIAL PRIMER by OIKOS

On already painted surfaces: sand down with fine sandpaper, apply one coat of NOVALIS ENAMEL UNDERCOAT by OIKOS.

Application method

sec. 4

Apply by brush or roller, two coats of NOVALIS UNIVERSAL ENAMEL by OIKOS leaving 5 ÷ 6 hours between coats.

For application by spray gun dilute with 5% drinkable water (1,3 ÷ 1,7 mm nozzle).

Technical characteristics: the application

sec. 6

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| Dilution | by brush or roller: ready to use by spray gun: 5% drinkable water |
| Yield | 10 ÷ 12mq/l |
| Application tools | Brush for acrylic enamel, roller, spray gun (.3 - 1.7mm nozzle) |
| Base coat | NOVALIS ANTIRUST, NOVALIS FILLING AGENT, NOVALIS SPECIAL PRIMER, NOVALIS ENAMEL UNDERCOAT by OIKOS |
| Application temperature | +5°C ÷ +36°C (relative humidity not higher than 80%) |
| Drying time: tack free | 2 ÷ 4 h (temperature= 20°C humidity not higher than 75%) |
| Drying time: washing | 7 days (temperature= 20°C humidity not higher than 50%) |
| Drying time: fully cured | 36 h (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: the product

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sec. 7

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| Composition | acrylic resins in water dispersion, titanium dioxide based fillers, organic and inorganic pigments and additives to aid |
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| | application and the formation of the surface film. |
| Specific weight | Gloss: 1.23; satin: 1.2; matt 1.25 kg/l. +/- 3% (white) |
| Gloss | Gloss:85+/-5, satin: 50+/-5, matt 7+/-2 gloss (applied on gloss panel at 120 µm wet, reflectometer 60°C) |
| pH: | 8÷10 |
| Viscosity | Gloss: 2000 ÷ 3000; satin: 4000 ÷ 6000; matt: 3000 ÷ 4000 CPS +/-5% 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 flammable 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 |
| Colours | White + shades of colour chart by DCS Décor Color System by OIKOS, available in gloss, satin and matt |
| Packaging | 0.25 - 0,75 - 2.25 l |

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

Apply an acrylic enamel such as NOVALIS UNIVERSAL ENAMEL according to the surface to be treated. All must be carried out in accordance with the norms of application, at a cost ofmq. inclusive of materials and labour. Scaffolding not included