ECOTHERMO NOVALIS

ODOURLESS ENAMEL FOR RADIATORS

TECHNICAL DATA SHEET n. INT/th/02

www.oikos-group.it/novalisthermo

Technical Qualities

NOVALIS THERMO by OIKOS is a special acrylic enamel, resistant to high temperatures, for cast iron radiators. Thank to its formulation, NOVALIS THEMO is an enamel that is easy to use and that doesn't drip or run during application. It presents a high adhesion to surfaces, good coverage, dilation and resistance to abrasion and washing. NOVALIS THERMO also has infilling properties which also make it excellent for use on uneven surfaces such as cast iron. The product is non-yellowing, remains unaffected by light or heat over time and also possesses a high level of elasticity. The product is non–inflammable, friendly to humans and the environment and due to the fact that it has a low level of odour can also be used in aerated interiors.

Ideal Use

Protection and decoration of radiators.

Surface Preparation

Clean the surface to be treated, removing any loose materials or rust with sandpaper, and clean any traces of grease using appropriate products. Sand down and treat rusted areas with a coat of NOVALIS RUST CONVERTER followed by one coat of NOVALIS ANTI-RUST by OIKOS.

Application Method

Apply by brush or roller two coats of NOVALIS THERMO by OIKOS diluted 5÷10% drinkable water, leaving 6 hours between coats. To apply by spray gun (1.3÷1.7mm nozzle), dilute the product 10÷15% drinkable water. Wait at least 24 hours before heating the radiator.

The product

Composition	Acrylic resins in water dispersion, titanium dioxide based fillers organic and inorganic pigments and additives to aid in application and the formation of the surface film.
Specific weight	1.25 kg/l. ±3%
Gloss	12 ±5%, (Eriksen glossmeter 500/60°)
pH	8,5÷9,5
Viscosity	7,000÷17,000 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 0.600mm
Resistance to abrasion	Conforms to norm DIN 53778. resistant to more than 5000 abvrasive cycles.
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	• Classification: A/i • VOC: 40g/l (max) • Limit Phase I (from 01/01/2007): 140g/lt • Limit Phase II (from 01/01/ 2010): 140g/lt
Colours	White
Packaging	0,75 – 2,25 l

The application

Dilution	• by brush or roller: 5÷10% • by spray gun: 10÷15% drinkable water
Yield	9÷11 mq/l
Application tools	Brush, roller, spray gun (1.3 ÷1.7mm nozzle)
Base coat	NOVALIS ANTIRUST by OIKOS
Application temperature	+5°C÷+36°C (relative humidity not higher than 80%)
Drying time tack free	2÷4 h (temperature = 20°C with relative humidity at 75%)
Drying time fully cured	24 h (temperature= 20°C humidity not higher than 75%)
Drying time painting over	6 h (temperature= 20°C humidity not higher than 50%)
Tools cleaning	Water

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

Thoroughly clean the surface to be treated, remove grease marks using suitable products and sand down using fine sandpaper. Apply two coats of NOVALIS THERMO by OIKOS. All must be carried out in accordance with the norms of application, at a cost of ..... m^2. inclusive of materials and labour. Scaffolding not included.

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