

TECHNICAL DATA SHEET **ECOSMALTO THERMO**

Technical Qualities

Ecological acrylic enamel, resistant to high temperatures, for cast iron radiators. Thanks to its formulation, it is easy to use, does not drip or run during application. It presents a high adhesion to surfaces, good coverage, dilation and resistance to abrasion and washing.

Ideal Use

Protection and decoration of radiators

Surface Preparation

Clean the surface to be treated, removing any loose materials. Clean any traces of dirt or grease using appropriate products. Sand down and treat rusted areas with a coat of CONVERTITORE ECOLOGICO by OIKOS followed by one coat of ANTIRUGGINE ECOLOGICO by OIKOS.

Application Method

Apply by brush or roller two coats of ECOSMALTO THERMO 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.

Technical Characteristics: 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 ÷ 1.7 mm nozzle)
Base coat:	ANTIRUGGINE ECOLOGICO
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

Technical Characteristics: 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% (white)
pH:	8,5 ÷ 9,5
Viscosity:	7,000 ÷ 17,000 CPS +/- 5% Brookfield (RVT 20 revs/min at 25°C)



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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 53778. resistant to more than 5000 abrasive cycles.
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE:	Classification: A/i; VOC: 40g/l (max); Limit Phase II (from 01/01/ 2010): 140g/l
Colours:	White
Packaging:	0,75 – 2,25 l

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, removing any loose materials. Sand down, remove grease or dirt marks using suitable products. Apply two coats of ECOSMALTO THERMO by OIKOS. All must be carried out in accordance with the norms of application, at a cost of m². inclusive of materials and labour. Scaffolding not included.

Note

The company Oikos Spa 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.

