

TECHNICAL DATA SHEET **313** **BIOSMALTO OPACO**

Technical characteristics

313 BIOSMALTO OPACO is an **odourless, high covering, matt finish water based, acrylic bio-enamel** that can be used **on any type of surface**: wood, iron, zinc sheets, plastic, pvc and other materials.

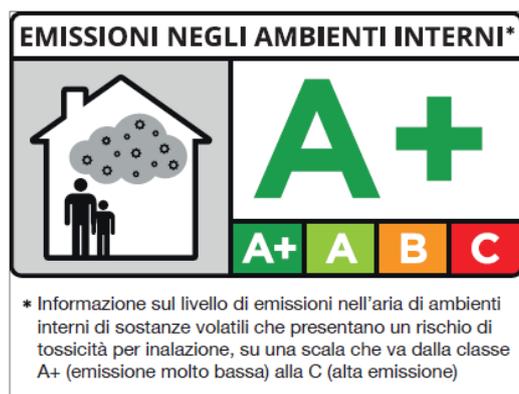
313 BIOSMALTO OPACO is suitable for use in interior spaces in that it does not give off unpleasant odours or contain any dangerous substances.

313 BIOSMALTO OPACO makes it easy to give a protective and decorative coat with a matt finish to surfaces that have been previously coated, even in dark or intense colours, obtaining an excellent result with just a couple of coats.

313 BIOSMALTO OPACO guarantees **high resistance to abrasion and washing** and makes it possible to give a second life to the surfaces of furnishings in interiors, protecting them and conserving their appearance over time. The product is non-yellowing and has excellent light stability and resistance to the elements; the product also boasts excellent solidity and elasticity.

Easy to use, and boasting excellent dilation, the product does not drip or run during application. The product is certified in emissions class "A+" under emissions classifications (Decree of the Official French Gazette dated 19th April 2011). The material has a low odour level, is non inflammable, has no added formaldehyde.

- **MATT FINISH BIO-ENAMEL**
- **HIGH COVERAGE**
- **UNIVERSAL**



Ideal use

On iron, wood, zinc, PVC etc. on interior surfaces.

Surface preparation

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 and in the presence of rust use CONVERTITORE ECOLOGICO by OIKOS followed by a coat of ANTIRUGGINE ECOLOGICO by OIKOS

On wood: sand down and apply a coat of ECOFONDO RIEMPITIVO by OIKOS. Once completely dry, 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 the eco primer 250 BIOFISSATIVO ALTA ADESIONE by OIKOS.

On already painted surfaces: sand down with fine sandpaper, apply one coat of SOTTOSMALTO ECOLOGICO by OIKOS.

Application method

Apply two coats of 313 BIOSMALTO OPACO using a special brush for acrylic enamels or roller 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

Dilution	<u>by brush or roller:</u> ready to use <u>by spray gun:</u> 5% drinkable water
Yield	16 ÷ 20 m ² /l per coat
Application tools	Brush, roller, spray gun (1.7 mm nozzle)
Base coat	250 BIOFISSATIVO ALTA ADESIONE, ANTIRUGGINE ECOLOGICO, ECOFONDO RIEMPITIVO, SOTTOSMALTO ECOLOGICO 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 75%)
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

Composition	Acrylic resins in water dispersion, titanium dioxide based fillers, organic and inorganic pigments and additives to aid application and the formation of the surface film.
Specific weight	1.25 kg/l. +/- 3%
Gloss	7+/-2 gloss (applied on gloss panel at 120 µm wet, reflectometer 60°C)
pH:	8÷10
Viscosity	3000 ÷ 4000 CPS +/-5% Brookfield (RVT 20 revs/min at 25°C)
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Resistance to wash	Class I (UNI EN ISO 11998:2006)

Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE
Emission Class

Classification: A/d; VOC: 95g/l
Limit Phase II (from 01/01/ 2010): 130g/l

A+ (Decree of the Official French Gazette dated 19th April 2011)

Colours

White + colours from colour collection

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

Apply an acrylic matt finish bio enamel in washability class 1, no added formaldehyde, with TVOC in emissions class A+, such as 313 BIOSMALTO OPACO by OIKOS.

All must be carried out in accordance with the norms of application, at a cost ofmq. inclusive of materials and labour. Scaffolding not included

Advice for use and conservation

To dilute the product, only use drinkable water. The product once diluted, can only be kept for short periods, the undiluted product can be kept in clean, appropriately sized, sealed containers and kept from freezing and from excessive heat.

Between different products, the perception of white (or other colours) by the human eye can vary. This aspect is fundamental in the event that 2 different products, of the same colour, should be applied on the same wall. It is recommended to not use different batches of coloured material on the same wall.

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.