

TECHNICAL DATA SHEET  
**310**  
BIOSMACCHIABILE OPACO

### Technical Qualities

310 BIOSMACCHIABILE OPACO. Matt, acrylic wall enamel with extremely high washability and coverage.

310 BIOSMACCHIABILE OPACO is a product that has gained certification under the norm "Product and system for the painting of spaces in which foodstuffs are present" having undergone all the tests indicated by **the normative UNI 11021:2002**. It is therefore suitable for use in interior spaces **in which high levels of cleaning and disinfection are required** such as public areas, hospitals, schools, restaurants, hotels or high traffic spaces in homes and residential buildings such as corridors, stairs, entrance areas and kitchens which are more affected by dirt, wear and tear.

310 BIOSMACCHIABILE OPACO guarantees **excellent washability as well as resistance to dirt**. It can easily be cleaned with just a sponge in the case of fresh marks or stains, even from difficult products such as coffee, tomato, pens and it also makes it easy to clean general dirt such as the dirty patches that appear above radiators. 310 BIOSMACCHIABILE OPACO **reduces the need for maintenance and re-painting** and as such offers cost savings over time by simply **cleaning the surface when necessary**.

310 BIOSMACCHIABILE OPACO is the best interior paint in terms of its **price/quality ratio**: the product has excellent technical performance and offers a high yield per bucket reducing the cost per square meter.

Compliant with CAM (Minimum Environmental Criteria), III level certification. EPD.

**310 BIOSMACCHIABILE OPACO is certified in emissions class "A+" under emissions classifications (Decree of the Official French Gazette dated 19<sup>th</sup> April 2011). The material has a low odour level, is non inflammable, has no added formaldehyde.**

### MAIN CHARACTERISTICS

- **STAIN RESISTANT**
- **MATT WALL ENAMEL**
- **HIGH COVERAGE**

### Ideal Use

Interior walls to be decorated, especially when subject to abrasion or dirt. Base coat for decorative products.

### Surface Preparation

Clean the surface, removing any loose material. For crumbly or very absorbent substrates, apply the recommended acrylic fixative 240 BIOFISSATIVO UNIVERSALE by OIKOS. Wait at least 6 hours before painting. In order to increase the coverage of the cycle use as primer 210 BIOFONDO COPRENTE by OIKOS. In the event that the decoration requires a perfectly smooth finish, screed over the surface first with STUCCO IN PASTA PER RASATURA (paste screed for walls) by OIKOS.

## TECHNICAL DATA SHEET WTE/310/04

### Application Method

Apply two coats of 310 BIOSMACCHIABILE OPACO diluted 20 ÷ 25% with drinkable water, leaving 4 ÷ 6 hours between each coat. 310 BIOSMACCHIABILE OPACO can be applied by roller, brush or spray gun. It is a self-expanding product that does not leave signs of roller or brush strokes.

### Technical Characteristics: Application

Dilution:	20-25% with drinkable water.
Yield:	18-22 m <sup>2</sup> /l per coat.
Application tools:	Brush, roller or spray gun (1.7 mm nozzle)
Primers:	240 BIOFISSATIVO UNIVERSALE, 210 BIOFONDO COPRENTE by OIKOS
Application temperature:	+5°C ÷ +36°C (relative humidity not higher than 80%)
Drying time tack free:	1 ÷ 1.30 hours (temperature =20°C with relative humidity less than 75%)
Drying time fully cured:	4 days (temperature = 20°C with relative humidity less than 75%)
Tools cleaning:	Water

### Technical Characteristics: Product

Composition:	Acrylic resins in water dispersion, organic and inorganic pigments, special additives aimed at helping application and film formation.
Specific weight:	1.37 Kg/l ±3%
pH:	8-9.5
Viscosity:	10,000-20,000 +/-5% CPS Brookfield (RVT 20 revs/min. a 25°C)
Storage temperature:	+2°C ÷ +36°C. Keep from freezing
Water vapour permeability Sd:	High. Sd=0,042 (UNI EN ISO 7783-2:2001)
Resistance to wash:	Class 1 (UNI EN ISO 11998:2006)
Reaction to fire:	B - s1, d0 (UNI EN 13501-1:2019)
Minimum Environmental Criteria (CAM):	III level certification. EPD
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	Classification: A/a; VOC: < Limit Phase II (from 01/01/2010); 30 g/l
Emission class:	A+ (Decree of the Official French Gazette dated 19th April 2011)
Colours:	White + colours from colour collection
Packaging:	1 - 4 - 12 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

Clean the surface, removing any loose material. For crumbly or very absorbent substrates, apply a sealer

## TECHNICAL DATA SHEET WTE/310/04

based on acrylic resins such as 240 BIOFISSATIVO UNIVERSALE by OIKOS. In order to increase the coverage of the cycle use as primer 210 BIOFONDO COPRENTE by OIKOS. Wait at least 6 hours before painting. Apply then two coats of an acrylic paint with washability class 1, water vapour permeability  $S_d = 0,042$ , no added formaldehyde, with TVOC in emissions class A+, such as 310 BIOSMACCHIABILE OPACO by OIKOS complying to the norm UNI 11021:2002. All must be carried out in accordance with the norms of application, at a cost of ..... m<sup>2</sup>. inclusive of materials and labour.

### **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.