

# TECHNICAL DATA SHEET

## MICOTRAL

### Technical Qualities

MICOTRAL is a special anti-condensation paint for interiors. Condensation arises when water vapour present in the air, that without an adequate ventilation, accumulates in the coldest areas of the room such as: north facing walls, the corners of the ceiling, behind wardrobes and it is especially in these places that mould and bacteria develop. MICOTRAL maintains the vapour permeability of the wall and keeps it warm in as much as in its particular formulation there are tiny, hollow, glass microspheres that act as insulation and are able to therefore reduce the temperature difference between interior and exterior and as such contributing in relative terms to energy saving. These microspheres give the product, once applied on the wall, a particular structure that is both thermal-insular and sound absorbent. The products formulation makes it ideal for application all all types of surface and in interiors with high presence of water vapour.

### Ideal Use

Interior walls with problems of condensation, north facing walls and walls with little exposure to the sun.

### Surface Preparation

Prepare the surface by removing all existing mould and algae using the indicated detergent STERYIFIX by OIKOS and with the sanitizing primer STERYLSAN by OIKOS.

### Application Method

The application method for MICOTRAL varies according to the effect desired.

Smooth finish: apply by brush or roller a first coat of MICOTRAL diluted 25 ÷ 30% with drinkable water. After 6 ÷ 8 hours, apply the second coat of the product diluted 20 ÷ 25% with drinkable water.

Orange peel finish: apply a coat of the product diluted 20 ÷ 25% with drinkable water. After 6 ÷ 8 hours apply by roller, a second coat of the product undiluted.

### Technical Characteristics: Application

Dilution: Smooth finish first coat: 25 ÷ 30% with drinkable water,  
second coat: 20 ÷ 25% with drinkable water;  
orange peel finish: first coat 20 ÷ 25% with drinkable water,  
second coat: apply the product undiluted.

Yield: Smooth finish: 4 ÷ 5 m<sup>2</sup>/l in two coats.  
Orange peel finish: 2 ÷ 3 m<sup>2</sup>/l in two coats

Technical Data Sheet INT/mi/03/en

Application tools: Brush, roller.

Primer: STERYLSAN by OIKOS.

Application

temperature: +5°C ÷ +36°C (with relative humidity not exceeding 80%)

Drying time until

Touch dry: 1 ÷ 1,30 h (temperature = 20°C with relative humidity at 75%)

Total drying time: 4 days (temperature = 20°C with relative humidity at 75%)

Tools cleaning: Water

**Technical Characteristics: Product**

Composition: Acrylic resins in water dispersion, hollow glass microspheres, organic and inorganic pigments and special additives to facilitate application and to prevent the formation of mould and algae.

Specific weight: 0,96 kg/l +/- 3%

pH: 8 ÷ 9,5

Viscosity: 9.500 +/-5% CPS Brookfield (RVT 20 revs/min. a 25°C)

Storage temperature: +2°C ÷ +36°C. Keep from freezing

Reaction to fire: Negative if the product is applied on a non inflammable base; water based material with dry thickness of less than 0,600 mm

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

Classification: A/a; VOC: 16 g/l (max); Phase I Limit (from 1.1.2007): 75 g/l,  
Phase II Limit (from 1.1.2010): 30 g/l

Colours: White + Pastel Colour from DCS Decor Color System by OIKOS.

Packaging: Liters 1-4-10

**Toxicological Data**

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. . Read carefully the safety

Technical Data Sheet INT/mi/03/en

data sheet: the product is labelled Xi, R41 irritant. For storage and handling, there are no special arrangements required, the containers, residual product and eventual spills or leakages should be gathered using inert, absorbent materials such as sand and earth 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 to be treated by removing any loose or flaking material. Remove all mould and algae using a detergent such as STERYLFIX by OIKOS and a sanifying primer such as STERYLSAN by OIKOS. Apply two coats of an anti-condensation paint such as MICOTRAL by OIKOS. 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.

*The company Oikos S.r.l 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.*