

TECHNICAL DATA SHEET

IAP

Micotral

Product characteristics

sez. 1

MICOTRAL is a special anti condensation paint for interiors. Condensation is caused by the water vapour present in the air, that in presence of poor air circulation settles and condenses on the coldest surfaces, typically north-facing walls, corners of ceilings, behind wardrobes. It is exactly in these humid, damp areas where mildew and bacteria grow and develop. MICOTRAL is characterized by the fact that, through the tiny, hollow microspheres of glass present in its composition, is able to give the wall good breathability and maintain a warmer temperature on the surface thus reducing the effect of temperature swings between inside and outside, allowing also a certain saving of energy. These microspheres of glass give the product insulating and sound proofing properties. It can be applied on every kind of wall and in strong presence of water vapour.

Ideal use

sez. 2

Interior walls subject to condensation problem, north-facing walls, walls usually under shade.

Preparation of the surface

sez. 3

Prepare the affected surface by removing moulds/algae by using Sterylfix by OIKOS and the sanitising Sterylsan by OIKOS.

Application method

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The method of applying MICOTRAL varies depending on the desired finish.
 - Smooth finish: apply, by brush or roller, a first coat of MICOTRAL diluted 25÷30% with drinkable water. After 6÷8 hours apply a second coat of the product diluted 20÷25% with drinkable water.
 - Orange peel Effect: apply by roller a coat of the product, diluted 20÷25% with drinkable water. After 6÷8 hours apply a second coat of the product undiluted.

Technical characteristics: the application

sez. 6

Dilution	<u>Smooth</u> : first coat: 25 ÷ 30% with drinkable water, second coat 20-25% with drinkable water. <u>Orange peel</u> : First coat 20-25% with drinkable water, Second coat: undiluted
Yield	Smooth: 4-5 m ² /l in two coats. Orange peel: 2-3 m ² /l in two coats.
Tools	Brush, roller
Primer	STERYLSAN by OIKOS
Application temperature	+5°C ÷ +36°C (with relative humidity not exceeding 80%)
Drying time: tack free	1 ÷ 1.3 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: the product

sez. 7

Composition	Acrylic resins in water dispersion, hollow glass microspheres, organic and inorganic pigments, additives aimed at helping application, anti-mould and anti-algae additives.
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
Fire reaction	Negative when the product is applied onto a non flammable surface: water based material with dry thickness of less than 0,600 mm
Water vapour permeability (Sd)	0.7 m (max allowed limit 2 m DIN 52 615)
Available colours	White
Packaging	1 -4 - 14 l

Toxicological data

sec. 8

The product is free of any harmful substances, pigments or other components containing heavy metals such as lead or chrome. Further to this, the product contains no toxic solvents, aromatics or chlorides. There is no risk of any dangerous polymerisation. The product is non combustible and is held to be a non-toxic 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, any spillage should be cleaned up using absorbent inert material such as sand, soil etc. etc. and then disposed of as any normal waste product. The transport must be executed according to the international agreements

Specifications

sec. 9

Clean the surface to be treated and remove loose or flaking materials. Remove moulds/algae by using a detergent of the kind of Sterylfix by OIKOS and a sanitising like Sterylsan by OIKOS. Apply two coats of a anti-condensation paint like MICOTRAL by OIKOS. All must be carried out in accordance with the norms of application, at a cost of m². inclusive of materials and labour