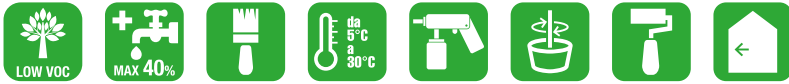


MICROPOROSA®



Environmentally friendly water-based paint with a microporous structure, based on high-quality resins, with high coverage and yield. MICROPOROSA® is a specific product for direct application on plasterboard substrates. Applicable on mineral substrates in general, it is ideal for damp environments such as kitchens and bathrooms. Suitable for interior use. Can be tinted with water-based tinting systems.



PRODUCT DESCRIPTION

FIELD OF APPLICATION	<p>Microporous textured matt high quality water-based paint for interior use based on high quality vinyl copolymers. MICROPOROSA® is characterised by excellent coverage, good opacity and excellent water vapour permeability. Suitable for civil plaster, plasterboard, stuccoed walls and mineral substrates in general. It allows for excellent recovery on intermediate coats as it perfectly masks plaster imperfections, avoiding leaching phenomena; ideal as a breathable paint for interiors.</p> <p>Its permeability to water vapour and CO₂ allow the mineral support to transpire, thus avoiding the concentration of humidity in the walls that gives rise to the formation of mould. It is particularly suitable for damp environments such as kitchens, bathrooms, etc.</p>
PROPERTIES	<ul style="list-style-type: none"> • Environmentally friendly. • VOC Free. • Solvent free. • Very opaque appearance (UNI EN ISO 2813:2002). • High water vapour permeability. • Good resistance to alkalis. • High coverage. • Low dirt pick-up. • Excellent adhesion on any clean, dry mineral surface.
COLOUR	<p>Can be tinted with water-base tinting systems in the 2 and 3 base colours. For uniform application of the colour, it is recommended to apply packages with the same batch number.</p>
SPECIFIC WEIGHT	<ul style="list-style-type: none"> • 1.650 Kg/l in the White Base • 1.610 Kg/l in Base 2. • 1.525 Kg/l in the Base 3.
BINDER	<p>Vinyl-versatile copolymers emulsified in water.</p>
CONTAINED SUBSTANCES	<p>High-quality vinyl-versatile copolymers emulsified in water, extenders, fillers and selected additives.</p>

TECHNICAL DATA

- Brookfield viscosity: 14000 - 16000 CPS.
- Dry residue: 66 ± 2%.
- White point: 84 approx.
- Water vapour permeability: High (Sd=0.008m with 210 micron thickness).
- Gloss Level: Very Matt (UNI EN ISO 2813:2002).
- Reflectance: < 5 with 85° angle of incidence (UNI EN ISO 2813:2002).
- Particle size: Fine Class (EN 21524, ISO 787-7).
- Particle size: ≤ 100 µm (EN 21524, ISO 787-7).
- Hiding power: Class 1 - at 8 m²/l (ISO 6504-3:2007- Method B).
- Wet rub resistance: Class 3 (UNI EN ISO 11998:2006).

SUBSTRATES AND PRE-TREATMENT OF SUBSTRATES

GENERAL REQUIREMENTS

A careful assessment of the substrate to be treated by the operator carrying out the painting job is of fundamental importance. It is recommended, for the work to be successful, to apply MICROPOROSA® on substrates that are definitely stabilised and suitably prepared. If you are restoring previously painted masonry work, make sure that the underlying layers of old paint are strongly anchored in order to withstand the application and adhesion of the finish. If these conditions are not met, before applying MICROPOROSA®, proceed with the mechanical removal of all layers of old paint that are poorly anchored. In the case of untreated mineral substrates, make sure they are well cleaned and, if necessary, carefully remove surface dust, incrustations formed over time (saltpetre, etc.), dirt, fat and grease. If mould, algae or moss is present, treat with specific professional products

PROCESSING

APPLICATION METHOD

To obtain a good result by brush, roller or spray (also airless), apply two cross-coats. MICROPOROSA® should be diluted with mains water at a maximum rate of 40%. Mix the product before application, then spread one coat evenly and uniformly on the substrate. Then apply the finishing coats, allowing 5-6 hours between each coat under optimal environmental conditions.

AIRLESS SPRAYING

The product can be applied with airless equipment, diluting MICROPOROSA® 25-40% with water and adjusting the working pressure accordingly. During application, protect the respiratory tract with suitable FFP3 masks.

WORKING TEMPERATURE

Do not apply at temperatures below + 5°C and above + 40°C.
Maximum permitted relative humidity: 75%. Do not apply under direct sunlight, on hot surfaces, in strong wind, rain, fog, danger of night frost in order to avoid delays in drying and failure of the film to harden.

CONSUMPTION

10-12 m²/litre per coat (the yield depends very much on the condition of the substrate in terms of absorption and roughness).

DILUTION

- White Base: up to 40% as required with mains water.
- Base 2: up to 30% as required with mains water.
- Base 3: up to 20% as required with mains water.

DRYING

- Dust dry after approx. 3 hours.
- Deep drying after 6 hours.
- Maximum abrasion resistance is reached 48 hours after application.
- These times are to be considered under optimal ambient conditions (temp. +5°C / +30°C, UM < 70%).

TOOLS CLEANING

Immediately after use with mains water.

INFORMATION

PACKAGING	<ul style="list-style-type: none">• 14 litre packs• 5 litre packs• 2,5 litre packs• 1 litre packs• Pallets of 33 pieces for the 14 litre packs
VOC	Opaque paints for interior walls and ceilings: EU limit value for this product (cat.A/a): 30 g/L This product contains a maximum of < 30g/l VOC.
SAFETY ADVICE	In case of consultation with a doctor, keep the product container or label at hand. Keep out of the reach of children. Avoid dispersal of the product in the environment. Do not eat, drink or smoke during use. Remove contaminated clothing and protective equipment before entering eating areas. In case of spray applications avoid breathing dust/fumes. Contains: Mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1); 2-methyl-2H isothiazol-3-one. May cause an allergic reaction.
DISPOSAL	Only deliver containers emptied of residues for recycling. Material residues can be disposed of at local special waste collection centres.
TECHNICAL ASSISTANCE	For information on the correct disposal, storage and handling of the product, please refer to the relevant Material Safety Data Sheet. All technical information contained herein is indicative only. Please consult our Technical Service Department for further information.

REVISION: 01/2023

The herein contained information has been compiled to the best of science and is in accordance with the current state of the art. However, it should be regarded as non-binding, as the different properties of the substrate, the method of processing and application are beyond our possibilities of intervention. Special cases due to the particular properties of the building must be observed. No legal constraints can be derived from the above indications.

Pl. 01018170165



info@microporosa.it
microporosa.it