



PRT.0338

SANAXIL P - THERM

Potassium silicate paint, thermo-reflective with chemical adhesion

Customs Code

3209 9000

Packaging

- Pail 4 l
- Pail 14 l

Application

- Low pressure airless nebulizer
- Brush
- Paint roller
- Sprayer

Family
Protech

Product Lines
• **Building**
• **Opus**
• **Sanageb**

Components
Single-component

Type
Potassium silicate fixatives, fillers, paints and plasters

Functional Categories
• **Protective varnishing (painting)**
• **Thermal-insulating renewal of masonry**

Appearance

General description

Mineral paint for interiors and exteriors with potassium silicates, with strong adhesion characteristics on porous substrates, both for mineral combinations and for chemical bonds. It combines anti-condensation and insulating characteristics (thanks to the presence of 3M Glass Bubble hollow glass microspheres in the formulation) with strong resistance to mold and microorganisms (thanks to the natural alkaline pH of potassium silicate) and excellent hiding power (class 1 according to EN 13300 for a yield of 6/7 m² / l). SANAXIL P - THERM due to its mineral nature, revolutionizes the concept of adhesion to the substrate, penetrating deeply into the porosity of the wall and then reacting with its components and forming a unique and indissoluble silicate bond.

General features

The product does not form a film, thus avoiding detachment and flaking phenomena and, while ensuring excellent water repellency, ensures high values of permeability to water vapor thanks to its porous and microcrystalline structure, perfectly compatible with mortars, plasters and all other common elements of the body masonry. Physical-mechanical performance and durability are coupled with a vast choice of colors that cannot be altered over time; characteristics which, combined with the ease and practicality of application, make the product extremely versatile and adaptable to any project requirement.

Dosage

Apply from 0.18 to 0.25 litres of SANAXIL P-THERM per square metre of surface to be painted.


Fields of application

Protective, restorative coatings with strong antibacterial and anti-mold characteristics, based on stabilized potassium silicates, for vertical and horizontal surfaces. Heat reflective paint that helps to increase the thermal efficiency of the building.

Basic features

 Highlighted product

 Density:
1.46 kg/dm³


 Shelf-life:
12 months

 Solvent-free

 To be applied in two coats

 Use wearing protective glasses

 Use wearing protective gloves

 Available **colours**
Request available colors



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Technical specifications

Coefficient of permeability: 0.26 kg/(m² • h^{0.5})

Deep hardening: 16 - 24 h

Degree of water vapor transmission: 0.005 m

Dry residue: 59 %

Dust-free time: 30 min

Hard to touch: 1 - 2 h

Permeability to water vapor: 50 µ

Tools cleansing

- Water

Applicable on

- Plasters
- Concrete
- Cement-based or lime-based mortars
- Prefabricated concrete
- Paint

Substrate preparation

SUPPORTS ALREADY PAINTED WITH SILICATE PAINT

Remove any stains and proceed with painting with the silicate paint. (it is always recommended to apply a coat of silicate impregnating agent).

NEW SUPPORTS

Apply a coat of potassium silicate fixative diluted from 30/40% with water depending on the absorption of the support.

OLD SUPPORTS

On old supports, remove the old paint by brushing, fill in any holes or imperfections in the wall with a suitable filler, proceed with fixing with potassium silicate impregnating agent diluted 30/40% with water depending on the absorption of the support.

Instructions for use

DILUTION (in volume with potable water)

1st COAT

BRUSH: 15% one coat crossed or two coats 12-24 hours apart

ROLLER: 10%

SPRAY (with specific equipment): 15 - 25%

2nd COAT

BRUSH: 10%

ROLLER: 10%

SPRAY (with specific equipment): 15 - 25%

Storage and preservation

Protect from freezing. Store the product in its original packing, in a fresh and dry environment, avoiding frost and direct sunlight. Inadequate storage of the product may result in a loss of rheological performance. Protect from humidity. Store the product at a temperature between +5°C and +35°C.



Warnings, Precautions and Ecology

The general information, along with any instructions and recommendations for use of this product, including in this data sheet and eventually provided verbally or in writing, correspond to the present state of our scientific and practical knowledge.

Any technical and performance data reported is the result of laboratory tests conducted in a controlled environment and thus may be subject to modification in relation to the actual conditions of implementation.

Azichem Srl does not assume any liability arising from inadequate characteristics related to improper use of the product or connected to defects arising from factors or elements unrelated to the quality of the product, including improper storage.

Those wishing to utilise the product are required to determine prior to use whether or not the same is suitable for the intended use, assuming all consequent responsibility.

The technical and characteristic details contained in this data sheet shall be updated periodically. For consultation in real time, please visit the website: www.azichem.com. The date of revision is indicated in the space to the side. The current edition cancels out and replaces any previous version.

Please note that the user is required to read the latest Safety Data Sheet for this product, containing chemical-physical and toxicological data, risk phrases and other information regarding the safe transport, use and disposal of the product and its packaging. For consultation, please visit: www.azichem.com.

It is forbidden to dispose of the product and/or packaging in the environment.

Do not apply on surfaces in gypsum, on non-hardened surfaces, on wet or hot surfaces, with direct sunlight. Avoid prolonged direct exposure of the fresh surfaces to the wind and the sunshine.

During application, protect glass, enamelled metals, aluminium, polished tiles etc., which may be opacified by accidental contact with silicate solutions.

Colours may vary slightly depending on the temperature conditions at the time of laying and during the drying and dessication stages, the colour may be subject to slight variations.

SANAXIL P - THERM is produced/distributed by



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