



PRT.0337

SANAXIL I - THERM

Restoring anti-condensation thermal putty coat based on potassium silicates

Customs Code

3214 9000

Packaging

- Pail 22 kg

Application

- Finishing trowel
- Sponge float
- Spatula

Family
Protech

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

Components
Single-component

Type
Potassium silicate fixatives, fillers, paints and plasters

Functional Categories
• **Protective coating (plasters)**
• **Thermal-insulating renewal of masonry**

Appearance

Certifications and legislations



EN 15824

Specifications for organic binder based interior and exterior plasters

General description

Smoothed mineral coating for interiors and exteriors with potassium silicates with chemical adhesion, anti-condensation, insulation, mould resistant, thanks to the addition of hollow glass spheres. SANAXIL I - THERM due to its mineral nature with chemical adhesion, revolutionizes the concept of adhesion to the support, penetrating deeply into the pores of the wall to then react with its components and form a unique and indissoluble "silicating" whole. With a final appearance similar to civil plaster.

General features

The product does not form a film thus avoiding detachment and peeling phenomena, it ensures a permeability to water vapour thanks to its microcrystalline structure of the same porosity as the wall while guaranteeing excellent water repellency. Elasticity and hardness are coupled in maximum degree with a wide choice of colours not alterable over time; characteristics that, combined with the ease and practicality of application, make the product extremely multi-functional, adaptable to any project requirement.

Dosage

Indicative consumption depending on the different particle sizes of SANAXIL I - THERM available:

- 1 mm GRAIN: approximately 1.6 -1.8 kg/m²;
- 1.2 mm GRAIN: approximately 1.8 -2.0 kg/m²;
- 2 mm GRAIN: approximately 2.4 -2.8 kg/m²;
- 2.2 mm GRAIN: approximately 2.6 -3.0 kg/m².

The indicated yields refer to smooth supports and are for guidance only. Actual consumption must be identified with a suitable practical test.

Fields of application

Restoring protective coatings based on stabilised potassium silicates, for vertical and horizontal surfaces. All products in the SANAXIL I - THERM series cannot be attacked by mould. Recommended as a finish in "cladding" insulation systems, as it helps to increase the thermo-acoustic and anti-condensation coefficient.

Basic features



Highlighted product



Shelf-life:
12 months



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

Grado di trasmissione dell'acqua liquida UNI EN 1062-3: $0.154 \text{ kg}\cdot\text{h}^{0.5}/\text{m}^2$

Grado di trasmissione del vapore acqueo UNI EN ISO 7783-2: 0.3369 m

Determinazione dell'aderenza per trazione diretta (Fh) UNI EN

1542: 0.4 MPa

Reaction to fire: F₋

Thermal conductivity UNI EN 1745: 1.17 - 1.28 W/m*K

Tools cleansing

- Water

Applicable on

- Plasters
- Concrete
- Cement-based or lime-based mortars
- Fiber-cement

Substrate preparation

Stone, masonry, concrete and any type of plaster. The SANAXIL I - THERM system can be applied directly on surfaces treated with mineral paints or new surfaces. If there are residues of organic paint on the support (washable, solvent-based paints, etc.), before application it is necessary to remove them by stripping or sandblasting, and also never apply on plaster, under the beating sun, on warm or wet walls. During application, cover areas that are not to be painted such as jambs, doors, windows and floors because silicates attack glass, metals, ceramics, glazes, paint, marble and granite. Adverse climatic conditions can impose the realization of adequate protection during the application and drying phase of the coating. Never mix with other non-mineral based paints.

NEW SUPPORTS

Apply a coat of PROTECH FIX AC - THERM fixative diluted from 20 to 50% 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 PROTECH FIX AC - THERM impregnating agent diluted 20 to 50% depending on the absorption of the support.

Instructions for use

The product is ready to use if necessary add a little water and stir slowly. Apply a coating layer with a stainless steel trowel with a thickness equal to that of the granules it contains. Pass again with a cutting spatula to remove any excess material. After light drying, pass over with a plastic trowel with rotary movements to compact, even out and achieve the full plaster effect. On large surfaces, it is recommended to apply the product of the same lot and proceed always wet on wet to avoid signs of resumption.

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.



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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. During application, protect glass, enamelled metal, aluminium, polished tiles etc., which may be opacified from accidental contact with silicate solutions. Colours may vary slightly depending on the temperature conditions at the time of spreading and during the stages of drying.

SANAXIL I - THERM is produced/distributed by



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