

# Sanastof

## Dehumidifying, macroporous plaster for finishes



A premix with a composition of breathable minerals for dehumidifying, with a base of natural hydraulic lime NHL 3.5, microsilicas with pozzolanic activity, selected aggregates, high tenacity microfibres and inert light unit weight thermal-insulating aggregates with a low elastic modulus. It is used for skimming and smoothing, both indoors and outdoors. This product is perfectly compatible with multiple substrates: lime-based plasters, lime cement, cementitious mortars, concretes, porous stone and brick. Its characteristics render it particularly suited to green building works and for restoring historic and monumental constructions. The maximum grain size of the aggregate is 0.9 mm.

**CUSTOMS CODE:** 3824 5090

**COMPONENTS:** Single-component

**APPEARANCE:** Powder

**AVAILABLE COLORS:** Light rosé (7,5 YR 8/2 Munsell®)

**PACKAGING AND DIMENSIONS:** Bag 25 kg - Pallet: 50 x (Bag 25 kg)

## OBTAINED CERTIFICATIONS AND REGULATIONS



## FEATURES AND BENEFITS

Sanastof is a product based on natural hydraulic lime, kaolin, marble dust, selected siliceous aggregates and lightweight aggregates with low elastic modulus, dimensionally stable. It is a natural product with high intrinsic breathability and does not have traces of resins, solvents, thinners and radioemissive aggregates. The product contains high tenacity microfibres that give great volumetric stability. The special hollow, rounded, dimensionally stable, aggregates give the skimming special thermal insulation qualities, filtration of potentially harmful soluble salts and reduction of the elastic modulus. The granulometric curve, the finesse of the binders and some natural rheological additives, make the product particularly smooth in the application phase, even when laid on supports with rough or difficult surfaces. The calibrated physical-mechanical characteristics guarantee perfect compatibility on different types of support, especially on traditional plasters and mortars. The microsilicic content of pozzolanic activity makes the skimming and the levelling performed with Sanastof extremely durable, even in aggressive exposure environments.

## FIELDS OF APPLICATION

Quick and easy application on various supports, such as: breathable finishing for wall coverings; skimming on modular insulation made of wood fibre or calcium silicate; levelling of plastered surfaces; skimming of concrete surfaces; levelling and skimming of restorations carried out with cementitious mortars; application with mainly thin thicknesses (from 1 to 4 mm) with simultaneous levelling of recesses, imperfections etc. In particularly harsh work conditions it is advisable to position the Armaglass 160 alkali-resistant fibreglass reinforcing mesh between the first and second coat (the mesh must be partially embedded in the first coat of Sanastof when it is still fresh). The breathability, combined with the other physical-chemical characteristics of the product, make the skimming carried out with Sanastof an ideal support to accommodate any kind of painting and in particular the mineral paints based on potassium silicate or lime putty. Sanastof is the breathable, low elastic modulus finish, recommended in all our dehumidifying systems carried out with: Sanatigh, Caleosana, Sanawarme, Unisan, Intosana



## ALLOWED SUPPORTS

Plasters - Concrete - Cement-based or lime-based mortars - Bricks

## PREPARATION OF SUPPORTS

Application surfaces should be clean, free of soiling, crumbling and non-adhering parts, dust, etc. Smooth supports should be roughed (roughness  $\geq 1\text{mm}$ ). If after cleaning and roughening the support is still dusty and crumbly, remove the parts completely inconsistent with spatula-brush, or by assisting the removal operation with a power wash, then consolidate the support by impregnation with Protech Fix AC aqueous emulsion applied in two abundant coats, the second coat immediately before applying Sanastof with the "fresh on fresh" technique (the consumption of Protech Fix AC for this priming operation is between 120 and 250 gr/m<sup>2</sup>). Adequately wet the support with water before application, anticipating and repeating this operation several times in case of very porous and absorbent supports or in the presence of warm and arid climates.

## MODE OF USE

Fill the mixer with approx. 2/3 of the mixing water. Gradually add Sanastof and the water still required, continue to mix until a homogeneous, lump-free mixture of plastic consistency is obtained, easily workable with a flat metal spatula or trowel both on vertical and ceiling surfaces. We recommend mixing with a whisk drill or with high-efficiency mixers. The mixing water indicatively necessary is equal to 25-28% by weight (6.25-7 litres per 25 kg bag). Apply with a trowel or spatula and finish with the trowel, sponge trowel or spatula. Optimum finishing results are obtained by applying Sanastof in two coats (the second coat should be applied after the first is properly dried). The spatula finish allows obtaining the "antique textured finish" effect. The trowel finish highlights the grain size of the product. On very uneven supports (cracks, different thicknesses, discontinuities) and in harsh work conditions, it is advisable to position the Armaglass 160 alkali-resistant fibreglass reinforcing mesh between the first and second coat (the mesh must be partially embedded in the first coat of Sanastof when it is still fresh).

## APPLICATION METHODS


Brick trowel - Finishing trowel - Plastering machine - Spatula - Sponge


## TOOL CLEANING


Water


## KEY FEATURES

 Maximum diameter of aggregate: 0.9 mm

 Pot-life: > 180 min

 Temperature of use: + 6 / +30 °C

 Mix with water: 25 - 28 %

 Shelf-life: 12 months



## TECHNICAL SPECIFICATIONS

UNI EN 1015-11

Compressive strength > **3 N/mm<sup>2</sup>**

UNI EN 1015-6

Density **1300 kg/m<sup>3</sup>**

UNI EN 1015-18

Capillary absorption **0.73 kg•h<sup>0.5</sup>/m<sup>2</sup>**

UNI EN 1015-19

Breathability **13.6 μ**

UNI EN 1745

Specific heat **1 kJ/kgK**

UNI EN 1015-11

Flexural strength **1.5 N/mm<sup>2</sup>**

Thermal conductivity **0.297 W/mK**

UNI EN 14021:2021

Total recycled content **2.6 %**

UNI EN 1542

Bonding force **0.35 N/mm<sup>2</sup>**

## CONSUMPTION

Approximately 1 kg/m<sup>2</sup> of Sanastof for each millimetre of thickness to be implemented (on average 2 - 3 kg per square metre).

## STORAGE AND CONSERVATION

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.

## PHOTO GALLERY



## ADDITIONAL CONTENT



## WARNINGS AND PRECAUTIONS

Prolonged moist hardening and the convenient protection of fresh surfaces from direct exposure to sunlight, from the rain and wind, are essential for proper curing.

It is known that mineral binders such as air lime and hydraulic lime have an alkaline effect. It is therefore advisable to protect the eyes, use protective gloves and rinse the skin with water in the event of direct contact, using the same warnings provided for normal plaster mortars. 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](http://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](http://www.azichem.com).

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

