

## Sanatrock SA

Additive mix in powder for macro-porous, dehumidifying plaster



Binder mix, additive, to add to the preset quantity of clean and selected sand, to prepare on site for macro-porous, dehumidifying, restorative plasters, in bio-architectural works and renovation of ancient and/or monumental buildings.

**CUSTOMS CODE:** 3824 5090

**COMPONENTS:** Single-component

**APPEARANCE:** Powder

**AVAILABLE COLORS:** Light gray

**PACKAGING AND DIMENSIONS:** Bag 15 kg - Pallet 750 kg

### FEATURES AND BENEFITS

It is a mix of a high action dehumidifier, ready to use, only mix with water with a NHL natural hydraulic lime base, Botticino, kaolin, silicate and lime aggregates, mineral fibres and specific agents. It is a mix, together with the adequate inert substances, that enables plaster to be created with high breathability, free of cement, resins or solvents and radio-emitting agents, in compliance with bio-architectural parameters

### FIELDS OF APPLICATION

Breathable dehumidifying plaster on the walls (on adding aggregates).

### ALLOWED SUPPORTS

Bricks - Mixed walls (bricks and stones) - Brickworks - Stone walls

### PREPARATION OF SUPPORTS

Prepare the surface to plaster by removing, if present, the existing plaster, up to a height over approx. 50/100 cm compared to the line of persistent damp. The walls for application should in any case be clean, intact, free of containment, dust, flaking or inconsistent parts, conveniently saturated with water (saturated to dry surfaces). In the presence of saline efflorescence, accurately remove it and give a preventive treatment with a spray application of Sanareg. Then, a subsequent preliminary construction of a rough coat with breathable grip, with the specifically prepared Untersana, or "spraying" (here and there) the same mix as described below.



## MODE OF USE

Prepare the plaster by firstly placing in the mixer approx. 2/3 water for the necessary mix, and then respectively adding Sanatrock SA and clean, select sand with the desired granulometry (you are advised to use sand with a maximum diameter of up to 2-3 mm). For packaging in the warehouse, comply with the following use instructions: - kg15 Sanatrock SA - kg 35-40 sand with a max granulometry 2-3 mm. - litres 12-13 of water (the quantity of water can decrease according to the humidity in the sand used). During preparation of the mix, pay attention and add the useful amount of water to obtain an even and creamy mix with the weight/litre of approx 1.3 - 1.5 Kg. This objective is however very easy to reach with minimum attention to the useful mixing time. On the wall, previously make adequate "level stops" (strips are recommended using mortar obtained or wooden boards adequately placed in position and to plumb). Apply the product with a trowel with a total thickness of approx 2-3 cm. Do not carry out any finishing, smoothing or crushing operation with the trowel or the blade of the mortar applied. Strike the "level stops" leaving the surface rough and leave to harden as is. Skim and finish the following day, possibly with the specific Sanastof dehumidifying coat or definitively with a skim coat with a breathability index ( $\mu$ ) under 11. Normally for a building site cement mixer with 200 litres, you are advised to initially add 100 kg of Sanatrock SA, 225 kg of sand and 45 litres of water. During mixing, add water to the mix until you reach the desired consistency (based on the humidity rate of the sand used you may need more or less litres of water). The water normally necessary in the mix is around 16-18% in weight compared to the total weight of the mix (Sanatrock SA + sand). Continue to mix until you obtain an even mix free of lumps. With a 25 kg bag of Sanatrock SA you can normally plaster 3.5 m<sup>2</sup> of wall at 2 cm thick. Apply the mix obtained using a trowel or plastering machine. Finish with skimming systems that are definitely breathable, such as Sanastof.

## APPLICATION METHODS

To be added to other components - Apply by hand - Brick trowel - Finishing trowel

## TOOL CLEANING

Water

## KEY FEATURES

↔ Max. recommended thickness: 4 cm

↔ Min. recommended thickness: 2 cm

🕒 Pot-life: (20 °C) 60 min

🕒 Shelf-life: 12 months

🌡️ Temperature of use: 5-35 °C

## TECHNICAL SPECIFICATIONS

UNI EN 1015-11  
Compressive strength **2-4 N/mm<sup>2</sup>**

Setting time **4 h**

UNI EN 1015-19  
Breathability **11  $\mu$**

UNI EN 1015-11  
Flexural strength **1-2 N/mm<sup>2</sup>**

EN 13142  
Static elastic modulus **3.000 - 5.000 N/mm<sup>2</sup>**

UNI EN 1015-6  
Density **1400 kg/m<sup>3</sup>**

## CONSUMPTION

With no. 1 25 kg bag of Sanatrock SA normally 3.5 m<sup>2</sup> of wall with 2 cm of thickness can be plastered (see dosage of additional components in the technical data sheet of the product).



## 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

For thicknesses over 2 cm, as well as to improve anti-cracking, you should add a plaster holding mesh (ARMAGLASS 140). 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.

