



GRT.0154 SANAFLUENS

Superfluid grout based on reinforcing, injectable hydraulic lime mortar

Customs Code

3824 5090

Packaging

- Bag 25 kg
- Pallet: 50 x (Bag 25 kg)

Application

- Injection
- Pour out
- Pump



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Family
Grout

Product Lines
• Opus
• Sanageb

Components
Single-component

Type

Fluid cement-based or hydraulic lime based grouts and micro mortars

Functional Categories

- Structural strengthening of masonry in historic buildings
- Roads and municipal maintenance interventions

Appearance
Powder

Certifications and legislations



Sanageb - Prodotti naturali per la Bioedilizia

Product of the Sanageb line, the line of products from Azichem Srl dedicated to green-building, ecological sanitation, thermal insulation and energy saving products since 1994.



EN 998-2

Masonry mortars - Masonry mortar for general purposes (G)

General description

Powder preparation, ready-to-use, based on hydraulic lime, for the preparation, with the sole addition of water, of grout for masonry reinforcement, injectable and castable, high performance in terms of sliding, strength and stability, for ecological building interventions and the restoration of vintage buildings and monuments.

General features

In the SANAFLUENS mixtures, the water is completely and stably incorporated from the hydration reaction of lime; conversely, in traditional mixtures, a very high part of added water, is free, and evaporating, it leaves gaps in the walls.

SANAFLUENS is based on natural hydraulic lime, sodium gluconate, kaolin, aluminates; it does not contain cement, resins, solvents and radioemissive aggregates.

Dosage

Approximately 1500 kg of SANAFLUENS for each cubic metre of volume to be filled.

Fields of application

Wall reinforcements of "bag" masonry or masonry damaged by earthquake by injections.

Basic features



Dosage:
1.50 - 1.55 kg/dm³



Mix with water:
30 %



Pot-life:
60 min



Shelf-life:
12 months



Temperature of use:
+6 / +30 °C



Available colours
Gray

Technical specifications

Bonding force (UNI EN 1015-12): 1.2 N/mm²

Capillary absorption (UNI EN 1015-18): 0.53 kg•h^{0.5}/m²

Chloride content (UNI EN 1015-17): 0.0082 %

Compressive strength (UNI EN 1015-11): > 20 N/mm²

Density (UNI EN 1015-6): 1980 kg/m³

Flexural strength (UNI EN 1015-11): > 6 N/mm²

Permeability to water vapor (EN 1745): 15/35 μ

Static elastic modulus: 12000 MPa

Thermal conductivity (EN 1745): 0.67 W/m*K

Water penetration after capillary absorption (UNI EN 2.4 mm 1015-18):

Tools **cleansing**

- Water

Applicable on

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

Substrate **preparation**

Clean the surfaces of application by spraying water abundantly. In the case of lack of plaster, apply a suitable hydraulic lime and sand (type UNTERSANA) rendering to close escape routes of the injected grout as much as possible. Draw a square lattice of 50 cm. from the bottom upwards and from left to right. At the intersection of the panels, perforate the masonry with a professional drill, with a tip of at least 22 mm in diameter, with a depth of at least 3/5 of its thickness, tilting the drill by about 20° downward. Once all the holes have been drilled, spray them with water to remove the dust inside them, produced by drilling. Insert the transparent rubber hoses in the holes to a depth of about 5 cm, letting them protrude the hole by at least 35-40 cm. Appropriately seal the hole containing the tube (with cement stucco).

Instructions for use

Pour about 2/3 of the mixing water into the mixer. Gradually add SANAFLUENS and the water still required, continue to mix until a fluid, homogeneous, lump-free grout of the desired consistency is obtained. The mixing water indicatively necessary is equal to 30-32% by weight (7.5 -8 litres per bag).

Reinforcing backfills and fills can be carried out both by gravity and using manual or automatic pumps, depending on the type of application. To verify the effectiveness of the reinforcement, the grout will come out of the pipes adjacent to that in which it is injected.

Storage and preservation

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.



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Warnings, Precautions and Ecology

Technical and performance data outlined in this document are the result of laboratory testing conducted in a conditioned environment, as such they can result as considerably changed from operating and application conditions. The need follows to carry out preliminary tests in actual use conditions.

The user is required to check the product's most recent Material Safety Data Sheet, reporting physical-chemical and toxicological data, risk phrases and other useful information on how to safely transport, use and dispose of the product and its packaging. It is also reminded that the product and its packaging must not be dispersed in the environment for any reason.

An abundant preliminary injection of water into the holes drilled in the masonry is recommended, to allow an adequate and rapid sliding of the grout.

SANAFLUENS is produced/distributed by



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