



Family  
**Proseal**

Type  
**Sodium bentonite based hydro expansive products**

Product Lines  
• Aqua  
• Sanageb

Functional Categories  
• **Waterproofing underground structures with hydro-expansive products**  
• **Manufacturing plasters and mortars**

Components  
**Single-component**

Appearance  
**Powder**

PRS.0013

## CLAYGRAIN

Sodium bentonite powder for waterproofing and excavation works

### Customs Code

2508 1000

### Packaging

- Bag 25 kg

### Application

- To be added to other components
- Brick trowel
- Finishing trowel
- Spatula

## General description

CLAYGRAIN is a dissolved, anhydrous sodium bentonite powder, characterised by a montmorillonite content in excess of 95%, with low yield-point (proof). The product should be used as it is, to increase the amount of bentonite in punctual areas, or mixed with cement and water or just water to obtain a slightly expansive waterproofing mortar, suitable for smoothing any crawl spaces in the concrete prior to laying and refilling the CLAYTEX bentonite sheet.

## Dosage

Product to buy as needed.

## Fields of application

Reinforcing and/or filling injections. Plastic diaphragms. Punctual protective sealing of critical areas in waterproofing underground areas with bentonite systems.

## Basic features

-  Hydroexpansive product
-  Nonflammable
-  Shelf-life:  
12 months
-  Temperature of use:  
+5 / +35 °C
-  UV-resistant
-  Available colours  
Beige

## Technical specifications

*Apparent density:* 0.9-1.00 g/cm<sup>3</sup>

*Liquid limit:* >550 %

*Loss of liquid to the filter press (ASTM D 5891):* <18 ml

*Maximum humidity (ASTM D 4634):* <13 %

*Permeability to 25 kPa of confinement:* 5.E-09 cm/s

*Swelling rate (ASTM D 5890):* >29 ml/2g

## Applicable on

Concrete

## Instructions for use

The standard dosage is 60 l/m<sup>3</sup> of water (standard minimum quantity). The indicated concentration can be adjusted, depending on the characteristics of the soil and the required viscosity. It is necessary to mix the product adequately during the preparation of the slurry to allow sufficient hydration.



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## 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](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.

*CLAYGRAIN is produced/distributed by*



Via Giovanni Gentile, 16/A - 46044 Goito (MN), Italy  
[info@azichem.com](mailto:info@azichem.com) Tel. +39 0376.604185 /604365 Fax +39 0376 604398



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