



BENTONITE SODICA GRANULARE

PRODUCT DESCRIPTION

GRANULAR SODIUM BENTONITE is mainly used as a detailed accessory product in waterproofing systems.

It can be used dry or pre-hydrated and in confinement conditions it will form a dense waterproof "paste" for accurate waterproofing reinforcements.



PRODUCT APPLICATION

- To fill cavities or gaps in the substrate before installing the waterproofing membrane/system

ADVANTAGES

- Practical and fast for accurate applications
- Also applicable on damp and very uneven surfaces

PREPARATION AND APPLICATION

GRANULAR SODIUM BENTONITE is ready for use.

All surfaces on which GRANULAR SODIUM BENTONITE is to be applied must be free of dirt, grease, rust, oil, hardening agents or other contaminants and without water flow.

Apply GRANULAR SODIUM BENTONITE before installing the waterproofing membrane, unless otherwise specified in a specific detail.

PACKAGING AND STORAGE

Supplied in 25 kg bags.

The product must be stored in a dry place without being exposed to frost and heat (maximum temperature: 40 °C) or direct exposure to the sun before being applied.

WARNINGS - IMPORTANT NOTES

It is not designed to function as an expansion joint sealant.

It is not an adhesive.

It must not be left exposed for a prolonged period before applying the concrete or filling material.

Only use GRANULAR SODIUM BENTONITE in applications with suitable confinement.

The filling soils must have an appropriate grain in order to be suitably compacted.

PHYSICAL AND TECHNICAL SPECIFICATIONS

Technical parameters

Technical parameters	Valore	Test method
Smectite Content	Min 75%	XRD
Fluid Loss	18 ml Max	ASTM D 5891
Free swelling	> 24 ml/2g Min	ASTM D 5890

Chemical composition

Chemical composition	Values
Silica	58,50% (SiO ₂)
Ferric oxide	5,05% (Fe ₂ O ₃)



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Chemical composition	Values
<i>Allumina</i>	12,08% (Al ₂ O ₃)
<i>Manganese monoxide</i>	0,7% (MnO)
<i>Potassium oxide</i>	0,3% (K ₂ O)
<i>Titanium dioxide</i>	0,94% (TiO ₂)
<i>Magnesium</i>	2,08% (MgO)
<i>Sodium and potassium</i>	2,15% (Na ₂ O)
<i>Calcium</i>	1,37% (CaO)
<i>Other minor components</i>	18,82%

SAFETY Always refer to the material safety data sheets before use, or consult the manufacturer.

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