

Zeosana

Mixture of clays for desalination compresses



It is a mixture of high purity natural clays, with great absorbent power and a selective ion exchange capacity. ZEOSANA is used for cleaning stone, brick, lime-based mortar and cement conglomerate surfaces. It can be used in its natural dry form, and is ideal in this way for accidental spills of liquids that can cause accidents, fermentation, danger or unwanted odors. Or it can be used after mixing with water to produce absorbent desalination compresses with high ion exchange power, on stained surfaces or on supports with high salt loads. Zeosana is exclusively made up of a mixture of clay minerals and does not contain water-soluble materials or chemical products harmful to the materials to be treated. Once dried, it is also easily removable from the surface and leaves no residue that cannot be eliminated by simple gentle brushing.

CUSTOMS CODE: 2508 1000

COMPONENTS: Single-component

APPEARANCE: Powder

AVAILABLE COLORS: Beige

PACKAGING AND DIMENSIONS: Bag 15 kg

FIELDS OF APPLICATION

Assorbimento di sostanze acquose e sostanze oleose nel caso di sversamenti accidentali. Impacchi emollienti e desalinizzanti per facilitare la rimozione di croste nere e di elementi dannosi per le murature, come per esempio sali solfati, sali cloruri, sali nitrati, metalli pesanti e molecole organiche. Impacchi desalinizzanti su murature affette da umidità di risalita. Assorbimento di liquidi che sviluppano gas odorosi (ammoniaca, acido solfidrico) con relativo abbattimento delle sostanze organiche volatili. Pulizia di superfici assorbenti in genere. L'efficacia del prodotto e la profondità dell'azione desalinizzante è variabile a seconda della tipologia e del grado di contaminazione del substrato. Il prodotto perde la sua efficacia non può su superfici trattate con materiale idrorepellente o impermeabilizzante, che impediscono l'azione di scambio alla base dell'estrazione.

ALLOWED SUPPORTS

Cement-based or lime-based mortars - Bricks - Mixed walls (bricks and stones) - Stone walls - Porphyry and natural stones - Bricks - Lime and lime-cement plasters and mortars

PREPARATION OF SUPPORTS

Remove inconsistent surface deposits on the surface to be treated by manual brushing. Eliminate any salt efflorescence and dust deposits, in order to prepare the surface for the extraction of soluble salts. The action of the product can be improved by spraying deionized water before application, waiting approximately 15 minutes for the water to penetrate the pores of the support before applying the compound.



MODE OF USE

In natural dry form

On accidental spills, apply Zeosana powder directly to wet surfaces and leave to act for at least 120 minutes.

In compress form

Pre-mix the mixture approximately 8 hours before application with demineralised water in the following proportions:

- 1 part by weight of powder
- 1 or 1.2 parts by weight of demineralised water until obtaining a pasty consistency similar to soft putty.

Before application, remix the paste with a slight addition of demineralised water. Spread the paste on the surfaces to be decontaminated, applying a thickness of approximately 10 mm and cover the pack with a light waterproof sheet for at least 12 hours. Remove the waterproof sheet and leave to dry until the batter detaches naturally from the support. Repeat the operation in the case of heavily contaminated surfaces. The application time is typically 24-48 hours, but can vary depending on the type and degree of contamination of the substrate. To optimize application times, it is advisable to carry out tests on the surface to be treated by spreading the compress and checking the effectiveness curve of the product using conductometric measurements on the saline solution extracted from compress samples taken at established time intervals. This analysis can be performed according to the extraction method described in the UNI EN 16455:2014 standard "Conservation of cultural heritage - Dissolution and determination of soluble salts in natural stones and related materials in use and originating from cultural heritage."


APPLICATION METHODS


Brick trowel - Finishing trowel - Spatula

TOOL CLEANING


Water

KEY FEATURES

 Material 100% eco-friendly

 Shelf-life: 12 months

 Nonflammable

 UV-resistant

TECHNICAL SPECIFICATIONS

Water absorption by weight **150 %**

Non-toxic material

Vegetable oil absorption by weight **90 %**

Density **715 g/l**

Passing through the 100 µ sieve **99 %**

Apparent density **530 g/l**

CONSUMPTION

In dry form: as needed

In compress form: approximately 900 to 1800 gr/m²

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.



WARNINGS AND PRECAUTIONS

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.

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