



MINERALIZER SP

Powder mineralizer dedicated to tank lining

PROCESS INTRODUCTION:

MINERALIZER SP is a formulation based on selected mixtures of sand, fine quartz, cement and active chemical constituents, making the product very adhesive and highly waterproof.

MINERALIZER SP, mixed with water and applied on substrates such as concrete, mortar, bricks, limestone, penetrates the pores of the structure and reacts to form crystals (crystallisation process). This process leads to the creation of a waterproof barrier by obstructing the pores while allowing the substrate to breathe.

MINERALIZER SP has excellent adhesion properties, very good resistance to pressure and back-pressure against water and abrasion. It is simple to apply inside and outside, and it's ready-to-use: only mixing with water is required.



AVERAGE CONSUMPTION : 1 Kg = 1 m² depending on the porosity.

SCOPE OF IMPLEMENTATION :



Indoor



Outdoor



Open to traffic



Pressured tank



Back-pressured tank

MINERALIZER SP can be used on new materials, renovations, on structures which have to resist to the pressure and back-pressure. MINERALIZER SP is recommended for the waterproofing of : water tanks, ponds, swimming pools (under a ceramic covering), basement garages, parking lots, protection of concrete blocks or concrete foundation walls.



LIMITATIONS OF USE :



Do not use on roofs & terraces

Hydro-Minéral MINERALIZER SP is a product which partially penetrates into the substrate by capillary action. Treated surfaces must be clean and sound: they must not contain any synthetic coating of organic origin (paints, resins, silicon based water-repellent, film forming coatings etc).

COLOUR : Grey or white.

PACKAGING : Buckets 10 kg and 5 kg



The information contained in this leaflet is intended to help users. It is from the result of tests carried out objectively in our laboratories. It is up to the users of our products to decide if the products are suitable for the job they want to do.

In doing so, Hydro-Mineral do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product.



HYDRO MINERAL

IMPLEMENTATION SHEET

MINERALIZER SP

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APPLICATION:



Drill



Brush



Mixer



Bucket



Trowel

MIXING : Depending on the consistency required, the MINERALIZER SP should be mixed with 1 litre (+/- 0.25 L) of water per 5 kg of MINERALIZER SP (dilution varies according to the temperature at application).

It should be prepared with a mechanical mixer in order to obtain a smooth consistency, without lumps (approx. 3 minutes). The product must always be used within 60 minutes. Optimum product workability is obtained by leaving the mixture rest 2-3 minutes and by mixing it a second time before application. Any hardened grout cannot be diluted with water and will be discarded.

STATE OF THE SUPPORT : All surfaces to be treated with the MINERALIZER SP must be perfectly clean and perfectly free of dust, without formwork, laitance, oils, rust and other contaminants. Major cracks and holes must be treated with a repair mortar.

Prior the application of MINERALIZER SP, ensure substrate are slightly damp.
Substrate temperature : over 5°C at the time of application of MINERALIZER SP.

APPLICATION : Fill in all holes beforehand with a traditional mortar. Spray a layer of MINERALIZER CM on the substrate (see technical sheet). Apply to vertical and horizontal aspects with the following dosage: 2 volumes of fine sand + 1 volume of ordinary cement + 1 volume MINERALIZER SP + water. Apply a layer of MINERALIZER SP manually using a brush or a trowel at 1 kg per M²; for large surfaces it is possible to apply by projection hose. **Leave it dry for 24 hours.** Then spray two applications of MINERALIZER CM with a minimum of four hours between each use. For any specific application, please contact our technical service.

PHYSICAL AND CHEMICAL PROPERTIES :

ASPECT : gray or white powder, ready-to-use

DRYING TIME (At 20°C) : 2 h

USE WITHIN : 1 h

TOTALLY HARD (At 20°C) : 5 days

GRIP : > 2 MPa

RECOMMENDATIONS :

Water leaks will be reduced with the use of a quick-setting mortar. After the MINERALIZER SP is dry, if occasional water leaks appear, follow the application process above and treat the leaks last. While applying MINERALIZER SP, no water under pressure must seep into the substrate.

EQUIPMENT CLEANING :

Clean the equipment with water, rinsing thoroughly. Recycle or dispose of the packaging in accordance with the legislation in force.

In case of product splashing, rinse the affected areas with water. If in doubt or if symptoms persist, always call a doctor.

PERSONAL PROTECTIONS :



Safety glasses



Gloves



Rubber boots

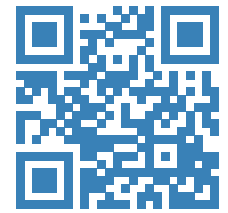


Coveralls

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View the implementation video



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