

Document type	Technical Data Sheet
Name	HYDROCALCE
Description	HYDROCALCE is an eco-friendly water-based waterproofer that offers superior water-repellent and dirt-resistant properties. Unlike other waterproofer, HYDROCALCE does not alter the appearance of the finish, as it penetrates deep into the plaster rather than forming a film on top. It can be used as protective treatment on any products in our Mineral Wall Plasters line. Specifically designed to be use on exterior vertical surfaces, it can be used also on interior finishes.
Composition	Solvent free emulsions based on silane and siloxanes
Versions	HYDROCALCE READY TO USE HYDROCALCE CONCENTRATE
Appearance	Milky liquid
Colour	Transparent white
Packaging	HYDROCALCE READY TO USE 5 L polyethylene packaging 20 L polyethylene packaging HYDROCALCE CONCENTRATE 1 L polyethylene packaging 10 L polyethylene packaging
Application	By hand, using a roller, brush, or spray-gun
Type of Surface	HYDROCALCE is an excellent water repellent for many absorbent mineral substrates, such as bricks, sand-lime brick, natural sandstone, and mineral plasters. It is not so suitable for less absorbent, dense natural stone, marble. Owing to its aqueous consistency and storage stability when diluted, HYDROCALCE is ideal for implant impregnation of building materials made of clay, aerated concrete, sand-lime brick, fibrous cement. Specifically designed to be use on exterior vertical surfaces, it can be used also on interior finishes.
Dilution	HYDROCALCE READY TO USE: this version is ready to use. However, a little dilution with water is possible. HYDROCALCE CONCENTRATE: dilute 1 part of product with 5 parts of distilled water in weight.
Consumption	120 - 240 ml/sqm for two coats.
Drying	2 hours at 20°C (60°F) to the touch, 72 hours at 20°C (60°F) below the surface
Application temperatures	min 8 max 35°C – R.U. < 85% ca
VOC Classification	EU Directive 2004/42/CE: EU limit value for this product (cat A/I): 200 g/l (2010). This product contains less than 200 g/l of VOC.
Shelf life	24 months when stored according to the recommended guidelines
Storage	In original sealed packaging between 5° and 35°C in a dry, dark environment

Safety Norms

This product may cause skin allergic reactions. It is important to adhere to the prevailing safety and hygiene standards while using it. Refrain from disposing of the product in drains, water bodies, or on the ground. Always keep the product out of reach of children. In the event of ingestion, or allergic reaction seek medical assistance without delay and present the container or label. For further details, consult the safety data sheet.

Disposal

Product must be disposed of according to norms and regulations in force. Containers must be sent for recycling. Follow directions on the packaging.

Application Instructions

WARNINGS

During application and for the following 72 hours, protect the surfaces from sudden temperature change, direct sun light and water. Don't apply in temperatures below 8°C or above 35°. During application make sure that the work area isn't too damp to avoid problems with application times.

APPLICATION

- HYDROCALCE CONCENTRATE must be at a ratio of 1-part HYDROCALCE to 5-parts of water.
- HYDROCALCE READY TO USE is a ready-to-use product specifically designed for application on lime-based concrete, brick surfaces, and various porous surfaces. Before using, it is recommended to stir the product thoroughly. Depending on your intended use, HYDROCALCE READY TO USE can be diluted with water, preferably de-mineralized water, at a ratio of 1 part HYDROCALCE to 0.5 parts water. Diluting the READY-TO-USE HYDROCALCE is particularly recommended when applying it to very smooth and shiny finishes like MARMORINO FINE, because a higher concentration could result in visible marks from the brush or roller.

Ensure that the lime-based finish on the wall has dried for a minimum of 72 hours (3 days) to allow for deep carbonation of the plaster before applying HYDROCALCE. Apply the product using a brush, roller, or spray in two or three wet-on-wet layers for optimal results. **After applying HYDROCALCE, it is essential to protect the wall from rain for an additional 72 hours, to ensure proper drying.**

To ensure compatibility with your finished wall, it is advisable to conduct a test in a small area before applying the product on the entire surface.

Tools

Roller, brush or spray-gun. Clean tools with water after use.

We have drawn up the material presented above to the best of our technical and experiential knowledge. Nevertheless, our suggestions and recommendations are not guaranteed. All responsibility for the obtained results lies solely with the method and conditions adopted for the application of the product. Such indications constitute valid support for verifying the product's suitability for the specific case. We reserve the right to make modifications to the present information without previous warning.