

INTRODUCTION

DESCRIPTION

CAPILASIL HeH2O is a 7% concentration emulsion of silanes/siloxanes in the aqueous phase, developed specially for waterproofing and treatment against rising damp of porous building materials such as concrete, brick and white stone.

Based on water, **CAPILASIL HeH2O** is very environmentally friendly.

The product polymerises on alkaline substrates (e.g. fresh concrete), and on neutral substrates (e.g. bricks).

SCOPE

- Making surfaces water-repellent.
- Treatment against rising damp. (ask for the technical data sheet)

For making materials such as concrete, light concrete, bricks, non-enamelled clinkers, mortar renderings, sandstone, limestone, natural and artificial stone, fibro-cement, coats of paint with silicates and cement, etc. water-repellent.

For treating limestones (very porous), bricks and very porous joints, you need to use **CAPILASIL 10**, more concentrated in active material.

For non-porous stones (bluestones), there is also **CAPILASIL PB**, less active with porous joints, based on an organic solvent.

ADVANTAGES

- Contains no organic solvents and does not attack synthetic insulation materials.
- High resistance to alkalis.
- The medium can be slightly damp.
- Odourless
- Dries without a bond
- Very high reduction of water absorption.
- Protects outside walls against driving rain.
- Protection against erosion caused by water.
- No more efflorescence after polymerisation.
- Maintains thermal insulation powers and more cooling by the absorbed water.
- Surface patently less sensitive to soiling.
- Maintains the permeability to water vapour of the treated walls.
- Invisible treatment. Prevents damage due to frost and thus the dangers of cracking.
- Central heating savings. Dry materials have better thermal insulation properties than damp materials.
- The façades remain clean, dust and dirt cannot penetrate and will be eliminated much more easily.
- Reduced formation of froth or mould.

TECHNICAL CHARACTERISTICS

IDENTIFICATION INFORMATION	
State	Liquid
Colour	Off-white
Density	1040 kg/m ³
Flow time (Euro cut/head 3 mm)	50 ± 5 sec.
pH	8-9
Packaging	25L cans 5L cans

Refer to the legal notice at the end of the document.

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	1L bottles
Storage	3 months in a dry place, protected from frost and without contact with the ground, in the sealed, original packaging. Never leave the product in direct sunlight.
Customs classification	38 25 90 00
APPLICATION INFORMATION	
Consumption	0.3 to 1L/m ² of masonry (terracotta bricks) 0.25 to 0.5L/m ² of solid concrete (to be adapted according to the porosity of the medium - talk to us)
Application temperature	+5°C min
Polymerisation time (at 20°C)	8 to 15 days for total effectiveness of the product CAPILASIL HeH2O is not washed off by rain directly after its application.

APPLICATION

MEDIUM AND PREPARATION

The surfaces to be treated must be clean.

Adjacent surfaces, windows, frames and plants must be protected.

Wide cracks and holes must be repaired beforehand.

If there is air lime in the mortar composition, wait at least 28 days.

When using mortars based on natural hydrated lime without cement, you must wait for at least 2 months.

Floury media are hardened beforehand by treatment with **V 100** or **TEGOVAKON V** (silica esters - ethyl silicates) - stone hardener - in order to reconstitute the binder and achieve the original mineral structure.

Always mix well before and regularly during use.

USE

Product ready for use. Always mix well before use and regularly during use.

Apply **CAPILASIL HeH2O** abundantly with a gun, without spraying, or with a brush until saturated, while allowing the product to run along the façade. Work from bottom to top.

The application is in general made in 2 coats "fresh on fresh", but in certain cases a single coat suffices.

Protect from rain for at least 24 hours at 20°C.

MISCELLANEOUS

CLEANING

Refer to the legal notice at the end of the document.

Any stains on tools and splashes are removed with clean water before the **CAPILASIL HeH2O** polymerises.

WARNINGS

As **CAPILASIL HeH2O** is in the aqueous phase, it can be diluted with rainwater or water from any other source. If the medium is too damp, the penetration of the product will be less thorough and will be diluted in the water contained in the medium and this will reduce its effectiveness.

Glazing and non-porous materials will be cleaned immediately with **IMPRESIL** with several applications, then washed and rinsed. Change cleaning cloths regularly, so that there is no longer any remaining residue.

ADVICE

Adhere to the installation protocols, according to the use of the product. Never use any product, other than those indicated in these specification sheets, to avoid any risk of the product not working.

Always carry out tests.

For the same site and the same type of product, always use products bearing the same batch number.

ENVIRONMENT

Eliminate waste in specialised collection sites.

SAFETY

Refer to the safety sheet that is available upon request or which can be viewed on www.beal.be

Protect your eyes with goggles and your skin against spray. (gloves and "ad hoc" clothing)

Rinse any splashes immediately with water.

At your disposal: measuring equipment before and after work. (see our terms and conditions)

LEGAL NOTICE

The notice, in particular, the recommendations for the application and use of the products, is provided in good faith and is based on the knowledge and experience that the Company, BEAL, has acquired to date about its products when they are properly stored, handled and applied under normal conditions. In practice, the differences between the materials, substrates and specific conditions on the site are such that this information or any written recommendation, or advice, given do not imply any warranty of merchantability other than the legal warranty against hidden defects. Under no circumstances can we be held liable, as the conditions of use always remain outside our control and above all assuming an application that is not compliant with our instructions. All suitability for use and application, data and information do not release customers from the requirement to carry out their own checks and testing. All orders are accepted subject to the General Terms of Sale in force. It is essential that users refer to the most up-to-date version of the notice that relates to their product, which will be made available to them upon request.

Refer to the legal notice at the end of the document.