

INTRODUCTION**DESCRIPTION**

CAPILASIL 10 is a colourless impregnating agent which makes materials water-repellent and protects them, while maintaining their water vapour permeability.

CAPILASIL 10 is a solvent-based solution (non-polar solvent) based on oligomeric siloxanes with an active concentration of 10% based on a 100% active material concentrate. It hydrolyses into a non-adhesive polysiloxane.

A member of the oligomer group, the molecules are very weakly polymerised.

CAPILASIL 10 is based on solvents free from aromatic compounds.

SCOPE

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

For treating 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.

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

ADVANTAGES

- High resistance to alkalis.
- Excellent diffusion.
- Excellent power of penetration (molecular weight 400-700).
- Based on solvents free from aromatics and much less toxic and almost odourless, except under the action of heat (central heating)
- Can be used on a slightly damp medium.
- Dries without a bond.
- Materials continue to breathe (plugs the pores at a rate of approximately 1.7 %, which is negligible).
- Water-repellent for more than 10 years (Possibility of taking out a warranty, depending on the site - see our terms and conditions).
- Resists UV radiation and does not discolour.
- Can be retreated subsequently.
- Total polymerisation after 8 to 15 days at 20°C
- Protects outside walls from driving rain.
- 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.
- No efflorescence caused by the product.
- Reduced formation of froth or mould.

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

TECHNICAL CHARACTERISTICS

IDENTIFICATION INFORMATION				
State	Liquid			
Colour	Colourless			
Density	844 kg/m ³			
Packaging	25L cans 5L cans 1L bottles			
Storage	6 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 14 00 90			
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 10 is not washed off by rain directly after its application.			
FINAL CHARACTERISTICS (AFTER 15 DAYS)				
Resistance to winds of up to 120 km/h	48 hours without any water penetration (on bricks)			
<p><i>C.T.C.S./W.T.C.B ratio: FRENCH BUILDING SCIENTIFIC AND TECHNICAL CENTRE</i></p> <p><i>Laboratories: Environment and Renovation (LF) – Royal Artistic Heritage Institute (IRPA)</i></p> <p><i>Test report: DE 577033/03</i></p>				
	White limestones			Terracotta
MEDIA	MASSANGIS	EUVILLE	SAVONNIÈRES	MACHINED BRICK
Density (kg/m ³)	2240	2250	1850	1680
Applied quantity (g/m ²)	204	183	406	508
Effect on the appearance	Not noticeable	Not noticeable	Not noticeable	Not noticeable
Absorption value of untreated material (ml)	0.15	0.72	0.67	13.30
Absorption value of water-repellent material (ml)	0.02	0.02	0.04	0.01
Initial effectiveness (%)	87	97	94	100
Absorption value after accelerated ageing (ml)	0.02	0.02	0.06	0.03
Effectiveness after accelerated ageing (%)	87	97	91	100
Reduction in water vapour conductivity (%)	1.7			

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

APPLICATION**MEDIUM AND PREPARATION**

The surfaces to be treated must be clean.

As the solvent is non-polar, if the medium is too damp, **CAPILASIL 10** will not penetrate properly and its action and its effect will therefore be significantly reduced.

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

Wide cracks and holes must be repaired beforehand.

If you are treating newly pointed brickwork, you must wait for at least 8 days, owing to the excessive alkalinity in cement-based mortars. If there is air lime in the mortar composition, wait at least 28 days.

These timings are also applicable for fresh concretes.

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.

USE

Apply **CAPILASIL 10** 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.

Rinse runs and splashes immediately with **IMPRESIL** before the **CAPILASIL 10** polymerises.

MISCELLANEOUS**CLEANING**

Remove any stains and splashes with our **IMPRESIL** product before the **CAPILASIL 10** polymerises. Tools can be cleaned with **IMPRESIL** then rinsed with clean water.

WARNINGS

Bluestone or any other non-porous material will be scrubbed immediately with **IMPRESIL** if there are splashes of **CAPILASIL 10** or they will then be treated entirely with **CAPILASIL 10**, followed by **IMPRESIL**. Of course, as these stones are not porous, the product will tend to remain in the surface. The task of **IMPRESIL** is to dilute the product so that it penetrates the medium better in certain cases.

The dark appearance will fade with time under the action of UV (ultraviolet rays) and rain. This comment is valid for all non-porous materials.

There is a special product for bluestones: **CAPILASIL PB**

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.

CAPILASIL 10 contains organic solvents: take precautions in use.

Avoid contact with insulating materials in plastics, bitumen, etc. In fact, with all materials sensitive to solvents (roofing, rubber, certain finishes and paints, insulating materials etc.)

Do not contaminate the medium before polymerisation, which can take 8 to 15 days at 20°C.

ADVICE

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

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.

If you have any doubt, talk to us.

ENVIRONMENT

Eliminate waste in specialised collection sites.

SAFETY

Read the safety data sheet, available on request or at www.beal.be.

CAPILASIL 10 is inflammable. It must be kept away from any naked flame. While working, you must ensure that there is adequate ventilation and you should avoid breathing in fumes as far as possible.

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

Rinse any splashes immediately with water.

Contains mineral spirits not distilling below 150°C.

R 10: Inflammable at a temperature of 66°C

S 2: Keep out of reach of children

S 51: Use only in ventilated areas.

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.