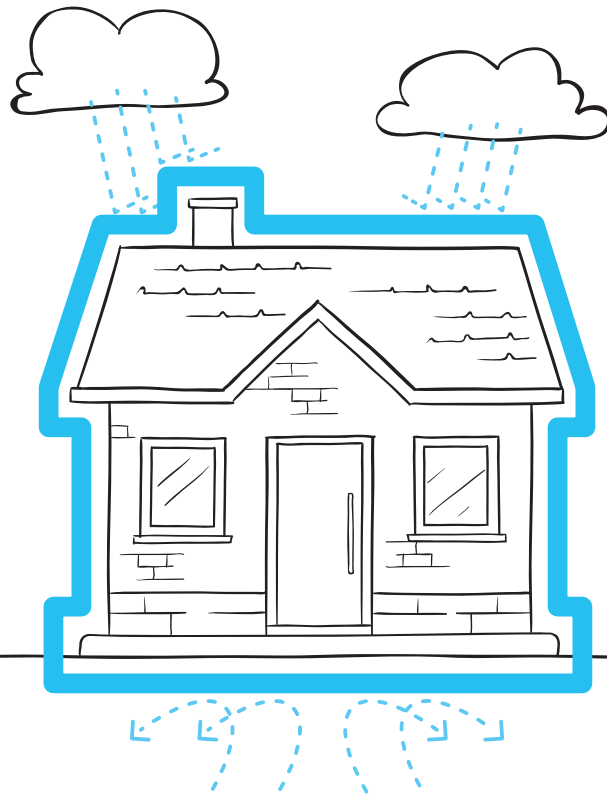


CAPILASIL[®]

Solutions for Humidity Problems



Colourless water repellents
with premium siloxane oligomers

SIMPLE AND EFFICIENT

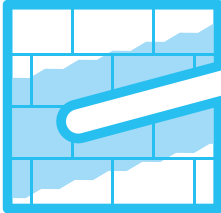
Humidity in a building may have a range of consequences such as damage to the walls, heat loss, destruction of the materials (e.g. plasters, paintwork, wood panelling), mould, etc.

It is the presence of water, in the form of liquid, vapor or rising capillaries.

Moisture can be on the surface (rainwater penetration), rising from below (by capillary action) or in the form of condensation (thermal bridges, lack of aeration and/or heat insulation, etc.).

Treatment with CAPILASIL changes the surface tension of a “hydrophilic” material to make it “hydrophobic”, while retaining maximum permeability to water vapor.

According to the needs and nature of your humidity problems, formulations in the CAPILASIL range vary in order to make your sanitation projects successful.



Rising damp

Treatment by injection

Walls are dried and protected against rising damp by injection of CAPILASIL (aqueous or solvent phase), which forms a hydrophobic barrier at the bottom of the walls.

CAPILASIL is applied by means of **an injection pump** and according to a specific protocol.

There is also a product suitable for use in old farm buildings whose walls contain nitrates (between 4 and 8%).

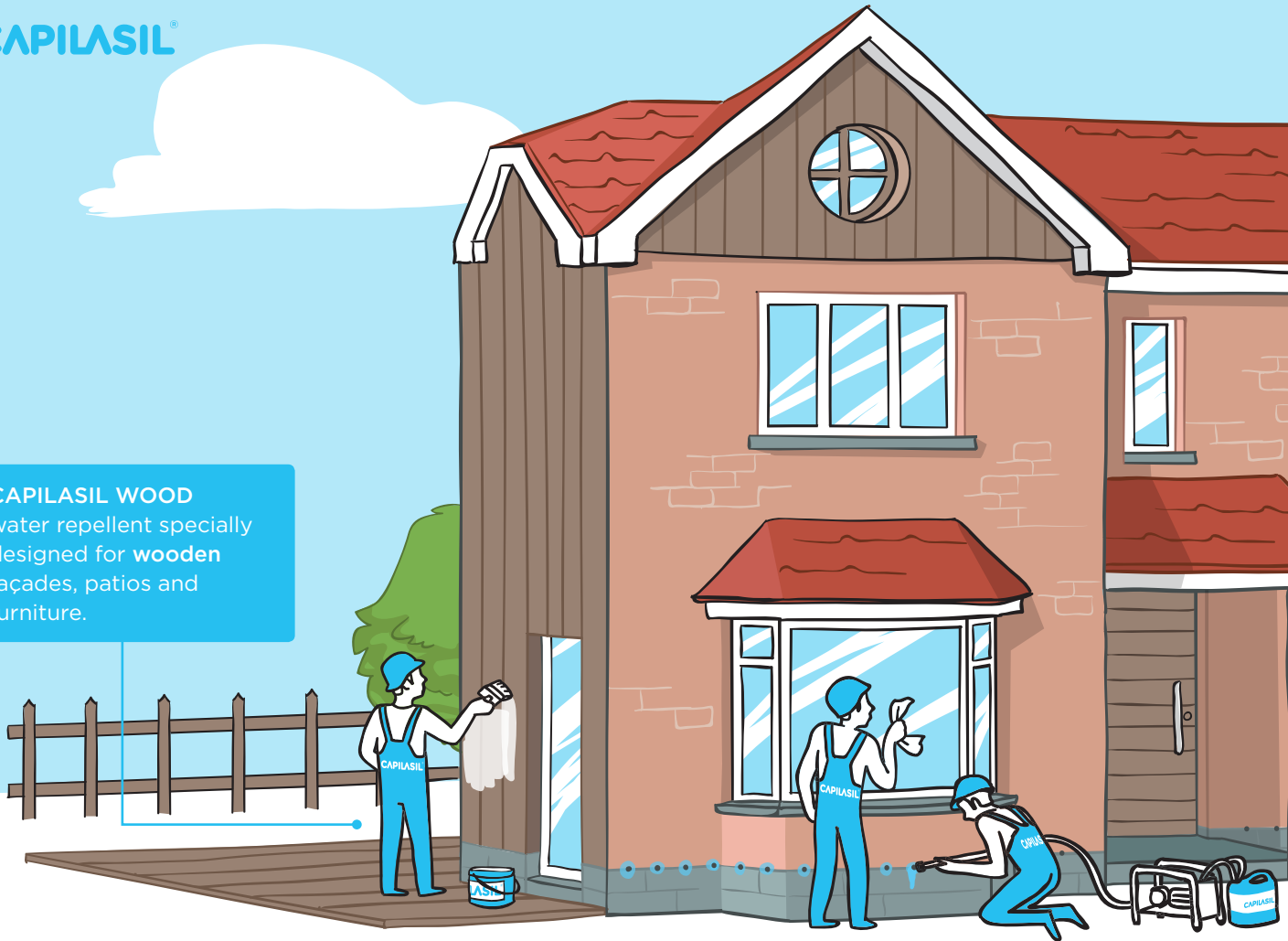
The product consumption is **1.5 to 2 litres per running meter and per 10 cm of wall thickness.**



E.g.: the consumption for a wall of 5 m long and 20 cm thick will range from 15 to 20 L.

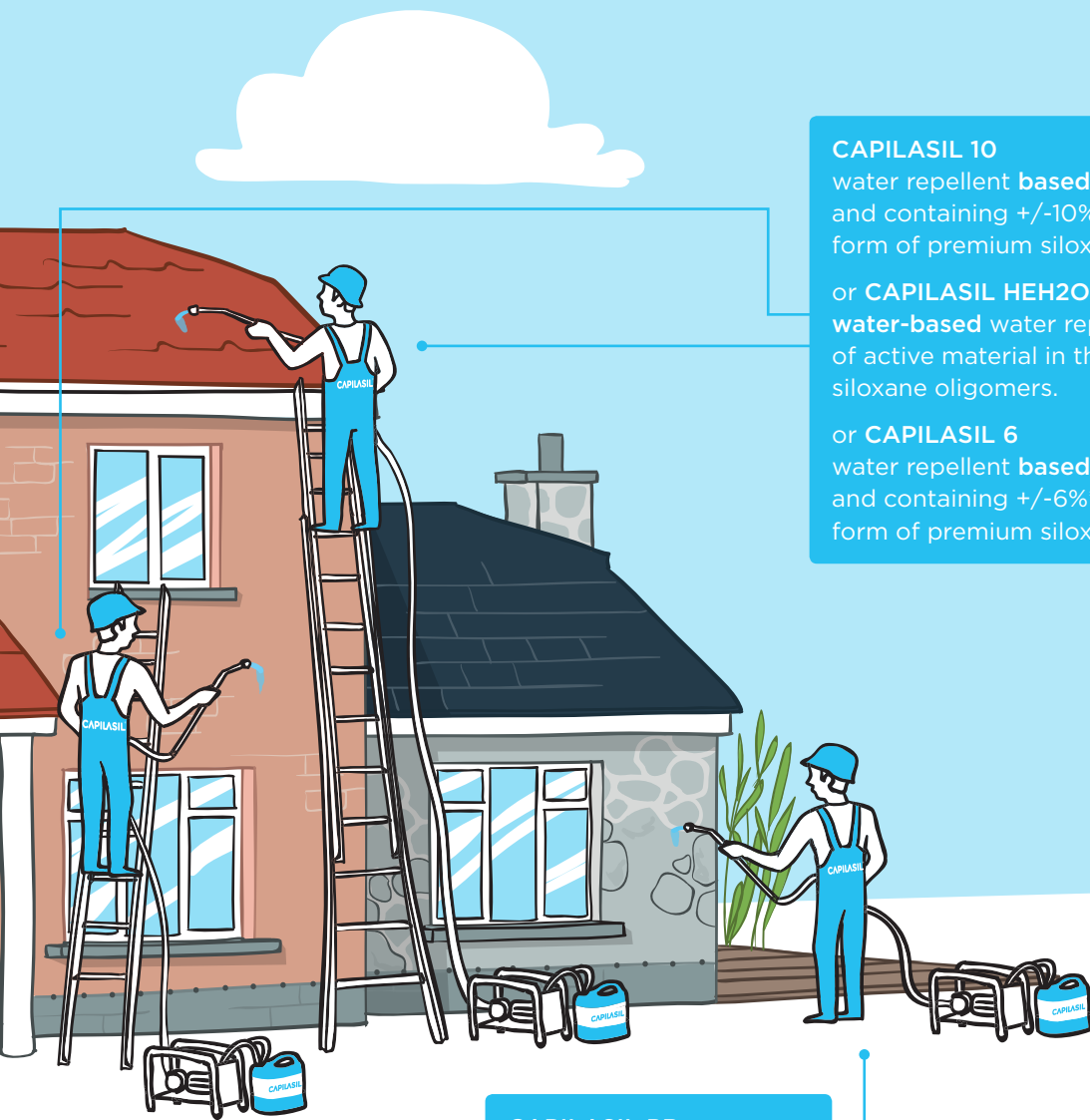
CAPILASIL®

CAPILASIL WOOD
water repellent specially
designed for **wooden**
façades, patios and
furniture.



IMPRESIL
thinner to remove
marks of CAPILASIL
6, 10 and PB before
polymerisation.

CAPILASIL 10 (see right page)
or **CAPILASIL HEH2O** (see right page)
or **CAPILASIL HS**
water repellent **based on dearomatized
solvents**, for injection into walls with a
nitrate content higher than 4% and lower
than 8%.



CAPILASIL 10

water repellent based on dearomatized solvents and containing +/-10%* of active material in the form of premium siloxane oligomers.

or **CAPILASIL HEH20**

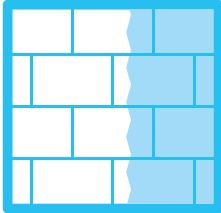
water-based water repellent containing +/-7%* of active material in the form of premium siloxane oligomers.

or **CAPILASIL 6**

water repellent based on dearomatized solvents and containing +/-6%* of active material in the form of premium siloxane oligomers.

CAPILASIL PB

water repellent specially designed for non-porous limestone (*Belgian Bluestone type*).



Surface moisture

Treatment by penetration

CAPILASIL, used to make a surface water-repellent, is easy **to apply by pouring or brushing, working upwards from the bottom.**



The BEAL technical team recommends in most cases a 2-layered “fresh on fresh” application for optimal product penetration. The next coat pushes the previous one more deeply into the support. It is this depth of penetration that ensures the longevity of the treatment.

Product consumption: **1 L/1-3 m² of masonry (terracotta bricks) and 1 L/3-6 m² of concrete.**

MANY ADVANTAGES

- ✓ **Avoids efflorescence** as much as possible.
- ✓ **Protects** outside walls **from driving rain**.
- ✓ **Reduces moss and mould growth**.
- ✓ **Prevents** damage due to frost and therefore **cracks in the support**.
- ✓ **Materials continue to breathe**.
- ✓ **Prevents condensation** due to the presence of moisture in the materials.
- ✓ **Reduces the heat consumption** because dry materials have better thermal insulation properties than wet ones.
- ✓ **Façades remain clean for longer**. Dust and dirt can no longer penetrate and will be washed off by the first rain shower.

CAPILASIL formulations vary depending on the nature and porosity of the support. In addition, the application environments (e.g. wet or dry support) will highlight an appropriate solution with a particular CAPILASIL. Do not hesitate to contact us to find suitable solutions.

BEAL designs, develops, manufactures and distributes other highly technical products : coverings for façades, natural lime, BEALSTONE coverings of the “terrazzo” type, MORTEX coverings of the “waxed concrete” type, etc.



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