

AQUAPROTECT L

**CE-marking in accordance with EN 1504-2
BAST listed**



Properties:

AQUAPROTECT L is a low-viscous water repellent agent based on octyltriethoxysilane.

AQUAPROTECT L is used for impregnating and protection of concrete surfaces to water, chlorides, de-icing salts and alkalis in structural engineering, road and bridge construction.

Depending on the porosity of concrete the product penetrates the substrate within a short time and reacts to form a silicone polymer (with elimination of ethanol).

Due to the special material basis of AQUAPROTECT L pores and capillaries of treated concrete does not clog, nor does it affects its ability to "breathe".

Technical data:

Substance data:

Consistency	liquid	
Colour	colourless	
Odour	hardly noticeable	
Spec. density (23°C)	approx. 0.88 g/cm ³	DIN EN ISO 2811-1
Dyn. viscosity (23°C)	approx. 1.9 mPas	DIN EN ISO 2555
Active ingredient content	approx. 99 %	
Solubility in water	more or less insoluble	

Processing temperature	5 - 30°C	substrate temperature
Depth of penetration	≥ 10 mm*	

(* depending on quality of concrete up to 60 mm)

Processing:

New surfaces that are still unsoiled must be cleansed of coarse particles and dust deposits by sweeping or, if necessary, using compressed air. Fresh concrete surfaces can be impregnated with AQUAPROTECT L after curing time of 28 days.

Surfaces already weathered, and those heavily soiled by oil, rubber residue, etc., must first cleansed using superheated steam.

AQUAPROTECT L should always be performed on superficially dry concrete, i.e., when the surface of the concrete appears evenly dry (no more damp patches are visible).

In the event of unexpected rain, cover surfaces already impregnated and halt all further impregnation.

AQUAPROTECT L is best applied to the concrete by the airless technique in the desired thickness. Brushes, lambskin rollers or spatulas may be used for smaller areas.

AQUAPROTECT L is applied in two layers (wet-in-wet) uniformly to the concrete. Two coats are needed to ensure that all of the surface is covered.

AQUAPROTECT L should not get into direct contact with bitumen. The resistance of insulating materials against *AQUAPROTECT L* has to be determinate in the individual case.

Safety information:

AQUAPROTECT L contains octyltriethoxysilane and is classified as hazardous according to Regulation (EC) 1272/2008 (CLP).

It is therefore necessary, before beginning processing, to become familiar with the precautions and safety advice as indicated in the material safety data sheet.

Packaging:

8 kg plastic canister
16 kg plastic canister

Bigger packaging on request.

Storage:

Shelf life at least 6 month in original packaging when stored in dry conditions between 15-25°C, protected from heat, frost and direct sunlight.

After the expiration the use of the product is generally not recommended, unless an approval has been provided by TPH. This approval can only be obtained by the quality assurance department of TPH releasing the material after verification of main properties being within specification.

Disposal:

Small quantities of cured product residues can be disposed of as normal domestic waste. Dispose of not cured product components must be effected in accordance with the corresponding local regulations. For further information please refer to the material safety data sheets.

Test certificates:

Listed in "Compilation of certificated surface protection systems" in accordance with ZTV-ING, part 3, section 4 for *AQUAPROTECT L* (OS-A); Bundesanstalt für Straßenwesen Bergisch-Gladbach 2011

Surface protection products according to DIN EN 1504-2:2005-01 class OS-1 "AQUAPROTECT L"; QDB Frankfurt 2011

**Legal notice:**

The correct and thus successful application of our products is not subject to our control. A guarantee can be issued for the quality of our products within the framework of our sales and supply conditions, however not for successful processing. All data and specifications in this specification sheet are based on the present state of the art and the right to changes and adaptations for the sake of development remains explicitly reserved. The consumption specifications designated by us can be only average empirical values, where deviations are possible on an individual basis and therefore cannot be excluded by us.

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