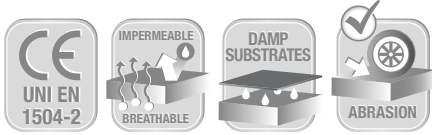


# AQUASTOP T

THREE COMPONENT, WATERPROOFING COMPOUND  
THAT ENCAPSULATES MOISTURE AND SALTPETRE



**AQUASTOP T** is a three-component thixotropic, epoxy cement for waterproofing based on special resins and selected aggregates that provide it with resistance to hydraulic pressure, continuous contact with moisture or water ingress and the more aggressive salts. **AQUASTOP T** creates a coating that is waterproof to both positive hydraulic pressure and is ideal in the preparation and restoration of moist substrates. Coatings created with **AQUASTOP T** exhibit excellent chemical and physical strength, resistance to freeze thaw cycles and good ductility.

## BENEFITS

**AQUASTOP T** is a three-component epoxy cement waterproofing compound. The features of **AQUASTOP T** are:

- ✓ **SUPERIOR SEAL:** **AQUASTOP T** exhibits outstanding resistance to both positive hydraulic pressure and prevents the infiltration of rising damp.
- ✓ **HIGH BONDING EVEN ON MOIST SUBSTRATES:** **AQUASTOP T** ensures high bonding to concrete and cement materials even where there is moisture present.
- ✓ **WATERPROOF AND BREATHABLE:** **AQUASTOP T** is impermeable to water and permits the elimination of residual moisture.
- ✓ **SALT RESISTANT:** **AQUASTOP T** effectively resists salt attack.
- ✓ **EASY TO APPLY:** **AQUASTOP T** is quick and easy to apply using a trowel, roller or brush. It can be applied even at low temperatures as it is fast-setting.



### AVAILABLE VERSION:

**AQUASTOP T 50:** for 0,5÷1,2 mm layers

**AQUASTOP T 100:** for 1,2÷2,5 mm layers

## WHERE TO USE

**AQUASTOP T** is particularly suitable for

- ✓ Chemical barrier to vapour and preparation coat for subsequent dressing with epoxy resin coatings.
- ✓ Refurbishment, waterproofing and block for water ingress and damp in counterthrust in retaining walls, cellars, garages, lift wells and basements.
- ✓ Damp proof in positive pressure.
- ✓ Refurbishment and protection of moist substrates including those with rising damp on both vertical and horizontal surfaces.
- ✓ Coating and sealing of rigid tanks, channels and concrete surfaces in contact with water.
- ✓ Encapsulating treatment of moisture and saltpetre in moist walls prior to the application of dehumidifying plasters.



## PREPARATION OF SUBSTRATE

### CLEANING

- ▶ Remove all loose or flaking parts of concrete from the area to be repaired, including grout slurry and mortar containing lime, until you reach the aggregate or exposed brick.
- ▶ Remove stains, efflorescence or soaked-in oil, grease, paint, dust, dirt or any residue that may lead to de-bonding.

### PREPARATION

- ▶ In order to enhance the bonding between AQUASTOP T and the surface, roughen it mechanically by bush hammering, chiselling or pressure washing (the latter avoids damage to the substrate and is recommended for large areas) to reach the sound, compact substrate that presents mechanical resistance.
- ▶ Where the substrates are sound and compact it is sufficient to wet them before applying AQUASTOP T.
- ▶ If the substrate is particularly crumbly or porous it should first be treated with the consolidating sealant WEPOX PRIMER that can be applied using either a brush or roller.

## PREPARATION OF THE MIX

**AQUASTOP T** is a three-component product (A+B+C)

The mix must be thoroughly blended using a low-speed drill with mixing paddle to avoid trapping air bubbles.

Mix component A with component B using a mechanical agitator until you obtain a smooth mix. Gradually add component C (powder) and continue blending for roughly 5 minutes until the mix is completely blended.

To ensure correct use of AQUASTOP T mix the components according to the ratios indicated to avoid impeding the polymerization reaction. The product maintains its workability for about 40 minutes (at +20 °C).

## APPLICATION PROCEDURE

### APPLICATION

Apply **AQUASTOP T** with a trowel, brush or roller to the surface that has been properly prepared as described. Take care to distribute the product evenly. The temperature of use must not be lower than +5° C. Apply a second layer of AQUASTOP T crosswise once the first is completely dry. Wait for about 24 hours (depending on environmental conditions) before walking over the treated area or applying further coatings.

### FINISHING

Given its high resistance to abrasion and attractive finish AQUASTOP T can be left exposed. Alternatively you can apply a protective coating based on polyurethane or epoxy resins over the final layer of AQUASTOP T after sanding the area and applying the relevant adhesion promoter.

## PRECAUTIONS

Temperature of use: +5° C to +35° C. If the product is to be used in low temperatures we recommend that the two resin components (A and B) be kept in a heated area for 36 hours prior to use. In closed environments provide good ventilation. Do not use on surfaces with dynamic cracking. In these circumstances, consult the technical sales office.

Safety: Component A of **AQUASTOP T** causes irritation and contains epoxy resins; component B also causes irritation and contains polyamine adducts; component C causes irritation and contains water binders.

## PACKAGING AND STORAGE

AQUASTOP T is available in the following packs:

- 0,5 kg drum + 2,5 kg drum + 5 kg bag = (A+B+C) **8 kg**
- 1 kg drum + 5 kg drum + 10 kg bag = (A+B+C) **16 kg**

If kept in its original packaging and properly stored under cover in a dry place, the product maintains its characteristics for a year.



## PRODUCT CHARACTERISTICS

APPEARANCE	Liquid (A e B) and Powder (C)
COLOUR	White (A), Beige (B) e Grey (C)
DENSITY - EN ISO 2811	Component A: 1,12 kg/l ca. $\pm$ 0,03 Component B: 1,01 kg/l ca. $\pm$ 0,04
VISCOSITY - EN ISO 3219	Component A: ca. 1300 mPa·s Component B: ca. 500 mPa·s
ASH CONTENT - 3451-1	Component A: ca. 78% Component B: ca. 85% Component C: ca. 97%
DRY SOLIDS CONTENT - EN 480-8	Component A: ca. 52% Component B: ca. 37%
MAXIMUM AGGREGATE DIMENSION - EN 1015-1	0,1 mm
SHELF LIFE	12 months

## APPLICATION DATA +20°C - 65% RH

COLOUR OF MIX	Grey
MIXING RATIO	A:B:C=1:5:10
BULK DENSITY	2,00 kg/dm <sup>3</sup> $\pm$ 0,05
TEMPERATURE OF USE	from +5°C to +35°C
WORKABILITY TIME	approx. 40 minutes (+20°C - 50% RH)
WAITING TIME BETWEEN LAYERS	from 6 hours to 24 hours depending on the temperature and moisture of substrate
FOOT TRAFFIC	4-6 hours depending on the temperature and moisture of substrate
MAXIMUM TOTAL THICKNESS	3 mm approx. 2,00 kg/m <sup>2</sup> ca. per mm of thickness
CONSUMPTION	approx. 0,2 ÷ 0,5 kg/m <sup>2</sup> ca. (per coat) approx. 0,5 ÷ 0,8 kg/m <sup>2</sup> ca. (recommended minimum)

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## FINAL PERFORMANCE 20° C - 50% RH – LAYER THICKNESS 1 mm

CHARACTERISTICS	TEST METHOD	MINIMUM REQUIREMENTS	PRODUCT PERFORMANCE
<b>ADHESION TO CONCRETE SUPPORT MC (0.40) ACCORDING TO EN 1766</b> AT 28 DAYS AT +20° C AND 50% RH	UNI EN 1542	≥1.5 MPa	2.65 MPa at 20° C
<b>ADHESION TO MOIST CONCRETE</b>	UNI EN 13578	≥1.5 N/mm <sup>2</sup>	≥1.5 N/mm <sup>2</sup> at 20° C
<b>COMPRESSIVE STRENGTH AT 28 DAYS</b>	UNI EN 12190	Class I or II	Class I 40 MPa
<b>IMPERMEABILITY TO WATER EXPRESSED AS CAPILLARY ABSORPTION</b>	UNI EN 1062-3	$w < 0.1 \text{ kg/m}^2\text{xh}^{0.5}$	$w < 0.05 \text{ kg/m}^2\text{xh}^{0.5}$
<b>PERMEABILITY TO WATER VAPOUR EQUIVALENT AIR LAYER THICKNESS <math>S_D</math></b>	UNI EN 1062-3	Class	Class I - $S_D < 5 \text{ m}$ (permeable to water vapour)
<b>DETERMINATION OF THERMAL COMPATIBILITY FREEZE-THAW CYCLES WITH IMMERSION IN DE-ICING SALTS</b>	UNI EN 13687-1	no swelling, cracking and delamination	no swelling, cracking and delamination
<b>DETERMINATION OF THERMAL COMPATIBILITY THUNDER-SHOWER CYCLES (THERMAL SHOCK)</b>	UNI EN 13687-2	Adhesion strength by pull-off test rigid systems with traffic: ≥1.5 N/mm <sup>2</sup>	>1.5 N/mm <sup>2</sup>
<b>DETERMINATION OF THERMAL COMPATIBILITY THERMAL CYCLES WITHOUT IMMERSION IN DE-ICING SALTS</b>	UNI EN 13687-3		
<b>REACTION TO FIRE AFTER APPLICATION</b>	EN 13501-1	Euroclass	classification $B_{fl} S_1$
<b>PERMEABILITY OF CARBON DIOXIDE (CO<sub>2</sub>)</b> DIFFUSION EQUIVALENT AIR LAYER THICKNESS $S_D$	EN 1062-6	$SD > 50 \text{ m}$	> 50 m
<b>RESISTANCE TO POSITIVE HYDRAULIC PRESSURE (500 kPa for 72 hours)</b>	UNI EN 12390-8	-	no permeation
<b>RESISTANCE TO NEGATIVE HYDRAULIC PRESSURE (250 kPa for 72 hours)</b>	UNI 8298-8	-	no permeation

### Legal notice - SLCMP version dated 01.03.2017

In the technical specifications herein, Draco Italiana s.p.a. used the indicators therein specified, with the relevant standards.

Please check if this Sheet and the figures therein contained apply to the product batch you are interested in or if they have been overridden by any later release. If in doubt, check whether this Sheet matches the one applicable at the time of finalising the sales agreement, at [www.draco-edilizia.it](http://www.draco-edilizia.it), and/or contact our Engineering Department.

No advice provided by our staff, either verbally or in writing at your request, about the potential applications of the Products shall be binding under the sales agreement or shall be considered an integral part of the agreement. Such advice is based on our experience and on the best available practical and/or scientific knowledge; as such, it shall not be binding or conditional on the buyer or user. Please try our products first to find out whether they are fit for your intended use or application; in any case, you shall be solely responsible for your choice.