

SEALTAQ® AQUABLOCK

Product Information

Product description: Non-toxic, high temperature resistant single component, elastic, water- and gas tight synthetic compound. Adheres on dry and wet surfaces of concrete, brick, PVC and others. Does not harden, remains permanently flexible.

Sealtaq® Aquablock is a compound suited for sealing of pipe- or cable wall inlets and hollow spaces against gases, moisture, stagnant water and running ground water leaks. The compound does not build up internal stresses and expands when exposed to water if space is available.

Sealtaq® Aquablock compound must be covered with a barrier of water resistant- or fire retarding mortar.

Features:

- Minor surface preparation required
- Adheres on wet and dry surfaces
- Fast and easy to apply
- Does not harden and has unlimited pot-life
- Resists up to 0,3 bar of ground water pressure in combination with min. 50 mm FR- or WR Mortar.
- Air- and water tight
- Non-toxic, applicator- and environment friendly
- Does not age

Benefits:

- The sealing remains flexible permanently
- No material waste – paste is re-usable
- Immediate sealing - no curing time
- Provides permanent and optimal safety
- No fumes, no chemical reactions
- Adjusts to movements of pipes & cables
- Allows adding and removing of conduits at any time

Application examples

Wall Inlets below ground water level: Sealtaq® Aquablock is suited for sealing against ground- and surface water ingress around pipes and cables, leading through wall inlets into basements.

Sealing of running water leaks: For permanent stopping of running ground- or surface-water leaks through cable- and pipe wall penetrations or joints.

Wall penetrations inside buildings: Permanent sealing and protection of wall penetrations against gas, fire or flooding is obtained with the Sealtaq® Aquablock, encapsulated by a fire retarding- or water resistant mortar top barrier on each side of the seal.

Multi pipe- & cable inlets: Sealtaq® Aquablock is perfectly suited for hermetic sealing of horizontal multiple pipe or cable wall inlets.

Product properties Sealtaq® Aquablock

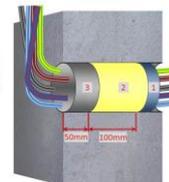
Colour	Ivory
Density	1.35 g/cm ³ +/- 0,05 (ISO 1183-1)
Water absorption	10% - 20% (ASTM D 570)
Temperature Ranges	Application cartridges >+ 40°C Tubular bags 2 kg >+ 60°C Substrate temperature + 5°C to + 70°C Service-temp after application - 20°C to + 50°C
Dimension criteria	– Between cable/pipe and wall min. 10 mm and max. 100 mm – Depth of wall inlet min. 200 mm
Compatibility	Sealtaq® Aquablock is compatible with the following materials: – Bare metal pipes like carbon steel, stainless steel, galvanized steel, copper, etc. Additional anti-corrosion coating with e.g. Sealtaq® Band or is recommended in case of carbon steel pipes. – Pipe coatings like polyethylene (PE), polypropylene (PP) and liquid coatings like epoxies, etc. – Polymeric pipes like polyethylene (PE), polypropylene (PP), polyvinylchloride (PVC), etc. – Electrical cable insulating materials like polyethylene (PE), polyvinylchloride (PVC).
	For more information, please contact Seal For Life Technologies & Services B.V.

Product properties of seal constructed with SEALTAQ® Aquablock and SEALTAQ® Inner Mortar

Construction	– Sealtaq® Aquablock 100 mm thickness – Sealtaq® FR Mortar 50 mm thickness
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The complete system:

1. Barrier
 2. Sealtaq Aquablock, 100mm
 3. Mortar, 50mm
- Inner = Flame retardant
Outer = Water resistant



Maximum pressure of total system	0,3 bar (i.e. 3 m of ground water pressure)
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General order information

Product	Sealtaq® Aquablock is available in various packing sizes. Please contact Seal For Life Technologies & Services B.V. for more information.
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Art. Nr.:	Product dimensions and contents:
80030-00403	Cartridge 310 ml, 25 pcs/box, 900 pcs/pallet
80030-00620	Cartridge 0,62 kg, 20 pcs/box, 720 pcs/pallet
80030-02000	Tubular bag 2 kg, 9 pcs/box, 324 pcs/pallet

Handling	Handle with care. Keep boxes upright
Storage	Store indoor, clean and dry, away from direct sunlight in a place at temperatures below 35°C. Unlimited shelf life.

PRODUCT DATA SHEET SEALTAQ® AQUABLOCK

Application instruction: Job preparation		Pretreatment of surfaces	Prior to injection, the interior surface of the wall duct and all cable- and pipe surfaces should be cleaned thoroughly. This will improve the adhesion process. Make sure not to apply compound within 5 cm from the outer boundary of the wall inlet; this will have adverse effects on adhesion of the mortar to the wall inlet material.
Tools, equipment and auxiliaries	<ul style="list-style-type: none"> – Injector tool with 200mm flexible nozzle – Application set – Measuring tape – Rubber gloves – Putty knife, blade 50mm wide – Abrading pads Scotch-brite type – Tube brush ø25mm – Pushing tool, e.g. piece of wood with dimensions 10x25x300 mm 	Injection of Sealtaq® Aquablock	Insert a pre-heated cartridge of Sealtaq® Aquablock into the caulking gun and install the flexible injection nozzle. The spout of the injection nozzle should be positioned as close as possible to the Swellplug (100mm deep) at 6 o'clock position in the wall inlet, then start injecting the compound. Move the nozzle from side to side, from bottom to top, while slowly moving the nozzle outwards. Make sure the application nozzle remains in contact with the compound during injection. This will minimize the risk of air entrapment in the compound. Keep injecting the compound until a distance of 50 mm from the boundary of the wall inlet has been reached.
Additional materials	<p>Backing:</p> <ul style="list-style-type: none"> – Sealtaq® Swellplug (1,1 m Sealtaq Aquablock in 50mm diameter sausage) or Injectable PU-foam available at D.I.Y. shops (for small openings) <p>Mortar:</p> <ul style="list-style-type: none"> – Sealtaq® FR Mortar : Fire Retardant mortar for application on the dry side of the seal, e.g. in basements. – Sealtaq® WR Mortar: Water Resistant Mortar, for application on the wet side of the seal e.g. in water-basins. – Alternatively, mortars available at D.I.Y. shops may be used. 	Moulding application of tubular bags	When distance between pipe or cable and wall duct is big enough, Sealtaq® Aquablock packed in tubular bags can be applied by moulding. Cut the PE-packing foil, fold it back into the Aquablock and cover it completely. Shape the Aquablock in appropriate form, push it into the opening and mould it in place.
Ambient conditions	Ambient temperature should be above +5°C.	Application of Sealtaq® Mortar	Apply Sealtaq® FR Mortar or WR Mortar in front of the previously applied Sealtaq® Aquablock according to the applicable instructions.
Substrate conditions	The temperature of all substrates, i.e. the wall duct, the pipe- or cable surfaces, should be above +5°C.	Post application routines	
Hot conduits	Pipes and cables with constant surface temperatures above +50°C please contact Seal For Life Customer Service for advise.	“Weeping” of seal	It might occur that a seal is weeping, i.e. the mortar barrier remains wet. If the weeping has not stopped after 48 hours after initial application, post filling should be carried out as follows: <ul style="list-style-type: none"> – Drill a hole at 12 o'clock of about 12 - 15mm diameter through the mortar barrier. – Use a caulking gun with a cartridge that is equipped with a hard and rigid nozzle. – Push the injection nozzle into the hole and apply additional Sealtaq® Aquablock – Clean the wall of the hole from adhering Sealtaq® Aquablock. Drilling or scraping the cement may be helpful. Seal the hole with freshly prepared mortar.
Product conditions	Sealtaq® Aquablock should be preheated to a temperature of min. +40°C prior to application. This can be achieved by placing the packed material in a bucket with warm water. The 2 kg sausage and Swellplug can be used also when not preheated.	Information	
Application instruction: Cleaning		Documentation	Extensive information is available on our website. Application instructions and other documentation can be obtained by contacting our head office, from our local distributor or by sending email to info@sealforlife.com
General	All surfaces must be free of oil, grease, dirt, dust and poorly adhering matter, such as cement film, paint or other.	Certified staff	Application of the described coating system should be carried out by certified personnel.
Concrete and brick wall inlet / joints	Clean interior of the wall inlet by means of a vacuum cleaner, rubbing with an abrasive pad, sweeping with a tube brush or flushing with clean water.		
Polymeric pipe wall inlet	When the wall inlet is equipped with a polymeric pipe, the interior surface should be deglossed by rubbing it with an abrasive pad.		
Polymeric pipe, coatings and cable surfaces	Surfaces of polymeric type should be deglossed by rubbing it with an abrasive pad.		
Application instruction: Brief version			
Backing	In order to construct a proper seal and to prevent intrusion of soil, insert a backside barrier of Sealtaq® Swellplug at 150mm depth in the inlet. The Swellplug should fill the gap between the pipe (or cable) and the boundary of the inlet. Leak water passing through the barrier will not disturb the application.		
Multi cable inlet construction	Where 2 or more cables or pipes are passing through one wall inlet, Sealtaq® Swellplug should be wound around each cable in such a way that a minimum distance between the cables of 8 - 10mm is achieved.		



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