

**SEALTAQ® AQUABLOCK 35C**

**Product Information**

**Product description:** Sealtaq® Aquablock 35C is a non-toxic swellable waterplug compound for cable- and wall penetrations which are exposed up to a maximum temperature of 35°C (95°F). Aquablock 35C is a single component material which adheres on wet substrates like concrete, steel, brickwork, PVC and many others without using a primer. Aquablock 35C is suitable for sealing-off penetrations against gases, moisture, stagnant water and running ground water leaks and will not drying out, has no internal stress and remains flexible. When using mortar on both sides of the penetration, the system can be used up to maximum 1 bar water pressure.

**Features:**

- Can be used for services up to maximum 35°C (95°F)
- NSF/ANSI 61 approved for drinking water contact
- Minimum surface preparation required
- Adheres on wet but clean surfaces without use of primer
- Fast and easy to apply
- Does not cure or dry-out
- Unlimited pot-life
- Resists up to 1 bar of ground water pressure in combination with min. 50 mm SFL® Mortar FR or WR (DVGW tested and approved)
- Air, gas and water tight
- Non-toxic, applicator- and environment friendly
- Not affected by MIC/SRB

**Benefits:**

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

**Application examples**

**Wall inlets below groundwater:** Sealtaq® Aquablock 35C 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 through cracks in concrete floors/walls, 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 35C, encapsulated by a fire retarding- or water resistant mortar top barrier on each side of the seal.

**Multiple pipe- & cable inlets:** Sealtaq® Aquablock 35C is perfectly suited for hermetic sealing of horizontal multiple pipe or cable wall inlets.

**Product properties Sealtaq® Aquablock 35C**

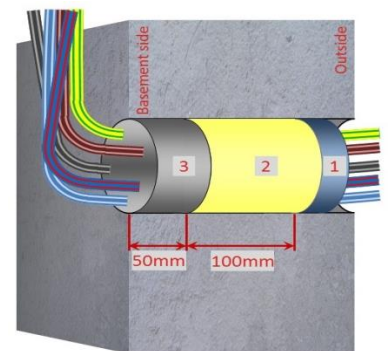
<b>Colour</b>	Grey
<b>Density</b>	1.35 g/cm³ +/- 0,05 (ISO 1183-1)
<b>Water Absorption</b>	5% - 20% (ASTM D 570)
<b>Temperature ranges</b>	Application (ambient) + 5°C to + 35°C (41-95°F). Service-temp after application - 20°C to + 35°C (-4 to 95°F).
<b>Dimension Criteria</b>	<ul style="list-style-type: none"> <li>- Between cable/pipe and wall min. 10mm. and max. 40mm.</li> <li>- Depth of wall inlet min. 150mm.</li> </ul>
<b>Compatibility</b>	<p>Sealtaq® Aquablock 35C is compatible with the following materials:</p> <ul style="list-style-type: none"> <li>- Bare metal pipes like carbon steel, stainless steel, galvanized steel, copper, etc. A additional anti-corrosion coating with e.g. Sealtaq® Universal Band is recommended in case of carbon steel pipes.</li> <li>- 3LPE and 3LPP linepipe coatings and liquid coatings like epoxies, etc.</li> <li>- Polymeric pipes like polyethylene (PE), polypropylene (PP), polyvinylchloride (PVC), etc.</li> <li>- Electrical cable insulating materials like polyethylene (PE), polyvinylchloride (PVC).</li> </ul> <p>For more information, contact STOPAQ B.V.</p>

**Product properties SEALTAQ® Aquablock 35C with Mortar**

<b>Construction</b>	<ul style="list-style-type: none"> <li>- Sealtaq® Aquablock 35C 100mm. thickness</li> <li>- SFL® Mortar FR 50mm. thickness.</li> </ul>
<b>Maximum pressure of total system</b>	1 bar (i.e. 10m. of ground water pressure)

1. Mortar or Barrier
2. Aquablock 35C, 100mm.
3. WR or FR Mortar, 50mm.

FR = Flame Retardent  
WR = Water Resistant



**General order information**

<b>Product</b>	<b>Sealtaq® Aquablock 35C</b> <u>Product dimensions and contents:</u>  Cartridge 310 ml, 25 pcs/box, 900 pcs/pallet Cartridge 0,62 kg, 20 pcs/box, 720 pcs/pallet Sausage 2 kg, 9 pcs/box, 324 pcs/pallet
<b>Handling</b>	Handle with care. Keep boxes upright.
<b>Storage</b>	Store indoor, clean and dry, away from direct sunlight in a place at temperatures below 35°C (95°F). Unlimited shelf life.

# SEALTAQ® AQUABLOCK 35C

<b>Application instruction: Job preparation</b>	
<b>Tools, equipment and auxiliaries</b>	<ul style="list-style-type: none"> <li>– Injection tool with 200mm. flexible nozzle</li> <li>– Application set</li> <li>– Bucket with water and heating equipment</li> <li>– Measuring tape</li> <li>– Rubber gloves</li> <li>– Putty knife, blade 50mm. wide</li> <li>– SFL Abrading pads</li> <li>– Tube brush ø25mm.</li> <li>– Pushing tool, e.g. piece of wood with dimensions 10x25x300mm.</li> </ul>
<b>Additional materials</b>	<p>Backing:</p> <ul style="list-style-type: none"> <li>– Foamand or pre-impregnated cloth (for small openings).</li> </ul> <p>Mortar:</p> <ul style="list-style-type: none"> <li>– SFL® Mortar FR: Fire Retardant Mortar for application on the dry side of the seal, e.g. in basements.</li> <li>– SFL® Mortar WR: Water Resistant Mortar, for application on the wet side of the seal e.g. in water-basins.</li> </ul>
<b>Ambient conditions</b>	Ambient temperature should be between +5°C and +35°C (41-95°F).
<b>Substrate conditions</b>	The temperature of all substrates, i.e. the wall duct, the pipe- or cable surfaces, should be between +5°C and +35°C (41-95°F).
<b>Hot conduits</b>	For pipes and cables with constant surface temperatures above +35°C (95°F), contact STOPAQ B.V.
<b>Product conditions</b>	Aquablock 35C cartridges should be preheated to a temperature between +25°C and +35°C (77-95°F) prior to application. This can be achieved by placing the packed material into a bucket with warm water. The 2 kg. sausage can be applied without preheating the compound, simply by hand.

<b>Application instruction: Cleaning</b>	
<b>General</b>	All surfaces must be free of oil, grease, dirt, dust and poorly adhering matter, such as cement film, paint or other.
<b>Concrete and brick wall inlet / joints</b>	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.
<b>Polymeric pipe wall inlet</b>	When the wall inlet is equipped with a polymeric pipe, the interior surface should be deglossed by rubbing it with an abrasive pad.
<b>Polymeric pipe, coatings and cable surfaces</b>	Surfaces of polymeric type should be deglossed by rubbing it with an abrasive pad.

<b>Application instruction: Brief version</b>	
<b>Backing</b>	In order to construct a proper seal and to prevent intrusion of soil, insert a backside barrier at 150mm. depth in the inlet. The Foamand 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.
<b>Multi cable inlet construction</b>	Where 2 or more cables or pipes are passing through one wall inlet, Foamand or pre-impregnated cloth should be wound around each cable, or cables should be placed beside each other, in such a way that a 10mm. minimum distance between the cables is achieved.

<b>Pretreatment of surfaces</b>	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 50mm. from the outer boundary of the wall inlet; this will have adverse effects on adhesion of the mortar to the wall inlet material.
<b>Injection of Sealtaq Aquablock</b>	Insert a pre-heated cartridge of Aquablock 35C 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 Foamand (150mm. deep) at the 6 o'clock position in the wall inlet. Then start injecting the compound. Move the nozzle from side to side, from bottom to top, from back to front while slowly moving the nozzle outward. 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 50mm. from the boundary of the wall inlet has been reached.
<b>Moulding application of tubular bags</b>	When distance between pipe or cable and wall duct is big enough, Aquablock 35C packed in sausages can be applied by moulding. Make your hands wet; Cut the PE-packing foil, fold it back into the Aquablock 35C and cover it completely. Shape the Aquablock 35C in appropriate form, push it into the opening and mould it in place without creating air inclusions. The compound must be pressed on the inside of the pipe and around the cable.
<b>Application of SFL Mortar</b>	Apply SFL® Mortar FR or WR in front of the previously applied Aquablock 35C according to the application instructions.

<b>Post application routines</b>	
<b>"Weeping" of seal</b>	<p>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:</p> <ul style="list-style-type: none"> <li>– Drill a 12-15mm. diameter hole at 12 o'clock through the mortar barrier.</li> <li>– Use a caulking gun with a cartridge that is equipped with a hard and rigid nozzle.</li> <li>– Push the injection nozzle into the hole and apply additional Aquablock 35C.</li> </ul> <p>Clean the wall of the hole from adhering Aquablock 35C. Drilling or scraping the mortar may be helpful. Seal the hole with freshly prepared mortar.</p>

<b>Information</b>	
<b>Documentation</b>	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 <a href="mailto:info@sealforlife.com">info@sealforlife.com</a>
<b>Certified staff</b>	Application of the described coating system should be carried out by certified personnel.



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