

STOPAQ® 2100 AQUASTOP

Product Information

Product description: Non-toxic, single component, elastic, water- and gas tight synthetic compound. Adheres on dry and wet surfaces of concrete, brick, PVC and others. No primer needed, does not cure but remains permanently flexible.

Stopaq® 2100 Aquastop is a compound suited for sealing of pipe- or cable wall inlets and hollow spaces against penetration of gases, moisture, standing water and running ground water leaks. The compound does not build up internal stresses and expands when exposed to water. Stopaq® 2100 Aquastop 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 no pot-life
- Resists up to 0.3 bar of ground water pressure
- Impermeable to water and gas
- Non Toxic - applicator- and environment friendly
- Does not age

Benefits:

- The sealing remains flexible permanently
- Does not demand special tools for application
- 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

Product certificate:

Stopaq® 2100 Aquastop is certified according to NSF/ANSI Standard 61: "Drinking Water System Components – Health Effects"

Application examples

Wall Inlets below ground water level: Stopaq® 2100 Aquastop 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.

Wall penetrations inside buildings: Permanent sealing and protection of wall penetrations against gas, fire or flooding is obtained with the Stopaq® 2100 Aquastop, encapsulated by a fire retarding- or water resistant mortar top barrier on each side of the seal.

Multi pipe- & cable inlets: Stopaq® 2100 Aquastop is perfectly suited for hermetic sealing of horizontal multiple pipe or cable wall inlets.

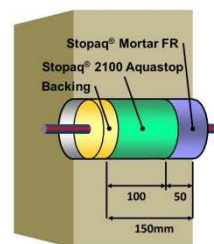
Product properties of Stopaq® 2100 Aquastop

Colour	Green
Density	Appr. 1.2 g/cm ³ (NEN 1183)
Water absorption	5% - 20% (ASTM D 570)
Temperature Ranges	Application: +20°C to +35°C Service: -20°C to +35°C
Dimension criteria	<ul style="list-style-type: none"> – Between cable/pipe and wall min. 10 mm and max. 40 mm – Depth of wall inlet min. 150 mm
Compatibility	<p>Stopaq® 2100 Aquastop is compatible with the following materials:</p> <ul style="list-style-type: none"> – Bare metal pipes like carbon steel, stainless steel, galvanized steel, copper, etc. Additional anti-corrosion coating with e.g. Stopaq® Wrappingband 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 compatibility with rubber insulating materials please consult Stopaq b.v.

For more information, please contact Stopaq b.v.

Properties of seal constructed with Stopaq® 2100 Aquastop and Stopaq® Mortar FR


Construction	<ul style="list-style-type: none"> – 2100 Aquastop 100 mm thickness – Mortar FR 50 mm thickness
---------------------	---



Maximum pressure	0.5 bar, i.e. 5 m of ground water pressure <i>Tested by Deutsche Telekom AG: TS0307/96, april 2005 – "Abdichtelement ADE und Abdichtmassen ADM für mit Kabel belegte Züge"</i>
-------------------------	---

General order information

Product	Stopaq® 2100 Aquastop is available in different packing sizes
Art. Nr.	Packing size
2000	Cartridge 310 ml, 25 pcs/box, 900 pcs/pallet
2002	Cartridge 0.53 kg, 20 pcs/box, 720 pcs/pallet
2005	Tubular bag 2 kg, 9 pcs/box, 324 pcs/pallet
2007	Pail 20 kg, 24 pails/pallet
Handling	Handle with care. Keep boxes upright
Storage	Store indoor, clean and dry, away from direct sunlight in a cool place at temperatures below 30°C. Unlimited shelf life.

Application instruction: Preparation		Injection of Stopaq® 2100 Aquastop	Insert a pre-heated cartridge of Stopaq® 2100 Aquastop 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 backing (150mm deep) at 6 o'clock position in the wall inlet and 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.
Tools, equipment and auxiliaries	<ul style="list-style-type: none"> - Caulking gun 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 		
Additional materials	<p>Backing:</p> <ul style="list-style-type: none"> - Stopaq® Foam Band – or – Injectable PU-foam available at D.I.Y. shops <p>Mortar:</p> <ul style="list-style-type: none"> - Stopaq® Mortar FR: Fire Retardant mortar for application on the dry side of the seal, e.g. in basements. - Stopaq® Mortar WR: 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. 	Application of Stopaq® Mortar	Apply Stopaq® Mortar FR or WR in front of the previously applied Stopaq® 2100 Aquastop according to the applicable instructions.
Post application routines			
Ambient conditions	Ambient temperature should be between +5 and +30°C.	"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 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 Stopaq® 2100 Aquastop. - Clean the wall of the hole from adhering Stopaq® 2100 Aquastop. Drilling or scraping the cement may be helpful. Seal the hole with freshly prepared mortar.
Substrate conditions	All substrates, wall inlet, pipe- and cable surfaces should have a temperature between +5°C to +30°C.		
Hot conduits	Pipes and cables with surface temperatures above +35°C should be thermally insulated before application of Stopaq® 2100 Aquastop		
Product conditions	Stopaq® 2100 Aquastop should be preheated to a temperature of min. +25°C to max. +35°C prior to application. This can be achieved by placing the packed material in a bucket with lukewarm water or by using a Stopaq® electrical cartridge heater (DC 12V).		
Application instruction: Cleaning			
General	All surfaces must be free of oil, grease, dirt, dust and poorly adhering matter, such as cement film, paint or other.	STOPAQ® information	
Concrete and brick wall inlet	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.	Documentation	Extensive information is available on our website. Application instructions, "Stopaq® Technical Standard" and other documentation can be requested from our head office, from our local distributor or by email: info@stopaq.com
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.	Certified staff	The application of Stopaq® sealing systems must always be carried out by certified personnel.
Polymeric pipe, coatings and cable surfaces	Surfaces of polymeric type should be deglossed by rubbing it with an abrasive pad.	Reliable performance	Being more than 20 years in service, Stopaq® 2100 Aquastop has proven that the sealing properties of the material are reliable and have excellent performance over a long period of time.
Application instruction: Brief version			
Backing	In order to construct a proper seal and to prevent intrusion of soil, insert a backside barrier of Stopaq® Foam Band at the specified depth of 150mm in the inlet. The foam profile(s) 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.	 <p>STOPAQ B.V. Gasselderstraat 20 9503 JB Stadskanaal P.O. Box 285 9500 AG Stadskanaal The Netherlands T: +31 (0) 599 696 170 F: +31 (0) 599 696 177 E: info@stopaq.com I: www.stopaq.com</p>	
Multi cable inlet construction	Where 2 or more cables are passing through one wall inlet, Stopaq® Foam Band should be wound around each cable in such a way that a minimum distance between the cables of 8 - 10mm is achieved.		
Pretreatment of surfaces	Prior to injection, the interior surface of the wall inlet and all cable- and pipe surfaces should be rubbed with Stopaq® 2100 Aquastop compound. Apply compound on an abrading pad and rub it on the surfaces. 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.		

DISCLAIMER: To the best of our knowledge, the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Stopaq B.V. to verify correctness before specifying and ordering. No guarantee of accuracy is given or implied. We do not accept any responsibility for coverage, performance or injuries resulting from use. Liability, if any, is replacement of products. No other warranty or guarantee of any kind is made by Stopaq B.V., express or implied, statutory, by operation of law, or otherwise, including merchantability and fitness for a particular purpose. Stopaq® is a registered trademark of Stopaq B.V.