



# AQUA-STOP CRACK FILLER

## FAST SETTING WATERPROOF REPAIR & SEALING MORTAR Professional Grade

### Description

**AQUA-STOP CRACK FILLER** is a professional grade cementitious, waterproof repairing and sealing mortar. It consists of rapid setting Portland cement, specially treated quartz sand and a compound of active chemicals which react with moisture and free lime in the mortar and concrete creating insoluble crystalline complexes. This penetrates deep into the concrete and blocks the capillaries where the waterproofing chemicals remain active for the life of the structure, resisting strong hydrostatic pressure and preventing water ingress.

### Features

- **Ready to use, just add water and apply**
- **Resists strong hydrostatic pressure**
- **Can be applied to positive or negative water pressure side of the structure**
- **4.5kg/10lb bag will make enough product to repair a crack 25mm x 25mm x 3m when mixed with the appropriate amount of water**
- **Inorganic with no odor or fumes**
- **Safe for areas in contact with potable water**
- **Permanently active for the life of the structure**
- **Commercial and residential applications**
- **Can be applied to damp and wet surfaces**
- **Tested to a depth of 61m/200'**

### Surface Preparation

Like all good building practices, preparation is very important to ensure that the product will work with 100% effectiveness.

- **AQUA-STOP CRACK FILLER** can only be applied to bare concrete. Any paint or coatings must first be removed by paint stripper or mechanical means.
- The surface should be rough (feel like fine sandpaper) to ensure good adhesion and bonding. If the surface is smooth, then "rough-up" using a mechanical or hand wire brush, or mild acid wash.
- Cracks should be routed out to a U-shape configuration, approx. 25mm wide and a minimum depth of 25mm. Tie holes should be roughened prior to filling.

- Spalled or honeycombed areas must be thoroughly cleaned and chiseled back to sound concrete prior to repair.
- Surface of repair area must be well moistened and damp prior to application. DO NOT APPLY TO DRY CONCRETE.

### Mixing

- **Always add powder to water NEVER water to powder.**
- A 4.5kg/10lb bag of powder should be mixed into 355mls/12oz – 474mls/16oz of clean water and stirred thoroughly to a trowelable mortar consistency. Start off with 355mls/12oz and add more water until desired consistency is reached.
- Mix only as much material as can be used within 30 minutes.

### Application

- Do not apply **AQUA-STOP CRACK FILLER** in temperatures below 5C (40F) or to a frozen substrate.
- This product is not recommended for use in expansion or contraction joints.
- Do not apply to a dry surface - surface must be pre-wetted with water before product is applied.
- After proper surface preparation and routing of crack to recommended width and depth, apply product with a trowel filling the cavity flush with surface.

### Curing

- **AQUA-STOP** should be applied as a surface treatment over the entire wall as soon as **AQUA-STOP CRACK FILLER** has set (approx. 1-2 hours). If this is not practical, leave the mortar surface rough so that the subsequent application of **AQUA-STOP** can bond.
- For exterior applications, provide protection against extreme weather conditions during the setting period.

### **Packaging & Coverage**

- **AQUA-STOP CRACK FILLER** is supplied in a 4.5kg/10lb bag. Mix up only amount required for the area you are repairing as the working time is only 30 minutes.
- A 4.5kg/10lb bag will produce enough material to repair a crack 25mm x 25mm x 3m.

### **Safety**

- Refer to MSDS
- This product contains Portland cement and silica and is highly alkaline. Avoid contact with skin and eyes.
- Wear rubber gloves and protective eyewear during mixing and application.
- After any contact with the skin, wash with plenty of clean water. In case of eye contact, rinse immediately with plenty of clean fresh water for a minimum of 10 minutes, and seek medical advice.
- **KEEP OUT OF REACH OF CHILDREN**

### **Storage and Shelf Life**

**AQUA-STOP CRACK FILLER** must be stored in a dry enclosed area in the pail supplied or off the ground. Shelf life in un-opened container is 12 months from date of manufacture.

### **Limited Warranty**

It is the responsibility of the customer to determine the suitability of the product for the intended purpose. Factors such as temperature, surface preparation and applicator's skill are beyond the control of the company. Therefore, the manufacturer's liability is limited to the replacement of the defective material only.

### **Technical Information**

<b>TEST</b>	<b>RESULTS</b>	<b>METHOD</b>
Color & Aggregate State	Gray Powder	
Potable Life	30 – 40 minutes	
Compressive Strength	2400 psi (17 MPa) @ 1 day 4000 psi (27 MPa) @ 28 days	ASTM C-109
Flexural Strength	660 psi (4.6 MPa) @ 1 day 820 psi (5.7 MPa) @ 28 days	ASTM C-348
Shrinkage	0.04% at 28 days	ASTM C-596
Potable Water	Approval	ANSI/NSF Standard 61

All data are an average of several tests under laboratory conditions. In practice, climatic variations such as temperature, humidity and porosity of substrate may affect these values.

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