

Cemstop SW-GG

One component swellable waterstops gun grade type

Innovative products for your success

Uses

Cemstop SW-GG can be used as an adhesive for bonding Cemstop SW strips or as a problem - solving hydrophilic in difficult access areas including :

- Sealing around joints in pre-cast manhole covers, cable ducts, and pipe, etc.
- Sealing around pre-cast segments
- Sealing between rough surfaces, e.g. Slurry walls and concrete slabs
- Sealing around (H) beams and other penetrations through concrete structures
- Sealing around conventional rubber and plastic waterstops to provide 'belt and braces' seal prior to concrete pour

Advantage

- Fast curing : enables early concrete pour and rapid return to service. Allows hand - applied concrete cover within 2 hours on emergency repairs and large - scale concrete pour after 8 hours
- Excellent seal : on rough concrete : Gives improved water tightness. Plugs inequalities in rough concrete to produce a tight seal
- Excellent adhesion : Quick and easy to apply to a variety of damp and uneven joint surfaces remaining firmly in place during concrete pour
- Water swellable : Expands by 150-200% producing a watertight compression seal
- Durable : Excellent wet / dry cycling retaining elastomeric character and swelling performance due to high tolerance of the cementitious environment

Description

Cemstop SW-GG is grey, elastomeric water - swellable paste which is applied like a sealant. The hydrophilic properties of Cemstop SW-GG display good consistency in swell rate during repeated wet / dry cycling. Expansion of the product on contact with water creates a positive pressure against the faces of the concrete joint, thus preventing the passage of water.

Problem solving

For waterproofing in problem and inaccessible areas, such as around joints in pre-cast manhole covers, cable ducts, around pipes, between slurry walls and concrete slabs and sealing around (H) beams and can also be used as an adhesive for the Cemstop SW range of hydrophilic waterstops.

High performance

- Fast curing, enables early concrete pour and rapid return to service
- Excellent seal on rough surfaces, promoting improved water tightness
- Expands by 150-200% when in contact with water, giving a watertight seal.

Durable

High wet / dry cycling performance - Cemstop SW-GG retains its elastomeric characteristics and swellable performance due to a high tolerance of the cementitious environment.

Easy to use

Simple on - site application, Cemstop SW-GG comes in 320 ml. Cartridges and is easily gunned onto a variety of damp and uneven joint surfaces.

Properties

Form :	Paste
Colour :	Grey
Tack-free time : (at 20 °C / 50% RH)	Approximately 1 hour
Hardness Shore 'A' :	30 (Cured)
Cure rate :	3 mm in 24 hours
Swell ratio (volume) :	150 - 200%
Concrete pour :	Allow between 2 to 8 hours



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Application Instructions

Preparation

Remove all obvious loose debris and soil, moss and organic growth from the substrate. Cemstop SW-GG can be applied to damp concrete but always ensure the surface is free from running water and brush away any standing or seeping water. Divert running channels away from area before application.

Application

Cut conical tip off cartridge end - thread, screw on nozzle and cut to required size. Place Cemstop SW-GG into sealant gun and apply like a conventional sealant. Extrude a bead of not less than 15 mm diameter onto the substrate, ensuring that there is no break in the bead.

Return to service

After application, allow 30 minutes before re-establishing any running channels. A minimum of 2 hours (depending on ambient temperature conditions) should be allowed before applying hand-placed concrete and 8 hours is recommended for large concrete pours there is no guarantee that concrete will not be poured directly onto the seal. Cemstop SW-GG should be protected from heavy rainfall whilst curing to prevent premature expansion. Cemstop SW-GG should be positioned to ensure that there is a minimum of 70 mm concrete cover to accommodate pressure developed during the swelling process. Cemstop SW-GG will establish a firm bond to the concrete however, as with any hydrophilic waterstops care should be taken during concreting to avoid pouring directly onto the seal.

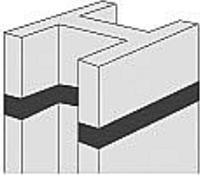
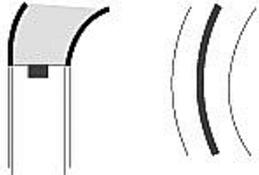
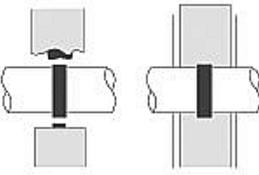
Estimating

Supply

Cemstop SW-GG are supplied in cartridge 320 ml.

Storage

Cemstop SW-GG should be stored under cool and dry conditions and away from heat sources. For the standard condition the shelf life of the product will be 6 months.

<p>H type steel surround</p> <p>No gaps are formed at corner Installation is simple</p>	
<p>Concrete installation joint</p> <p>Installation is possible at rough surface</p>	
<p>Tunnel construction joint</p> <p>Easy to installation Good finish</p>	
<p>Piping Sleeve</p> <p>Bars can be installed up to the pipe surrounds so as to form one wall</p>	

Additional Information

Cemkcrete manufactures a wide range of those complementary products which include:

- Waterproofing membranes & waterstops
- Joint sealants & filler boards
- Cementitious & epoxy grouts
- Specialized flooring materials
- Fireproof coating and systems
- Concrete admixture
- Repairing material

For further information on any of the above, please consult your local Cemkcrete office - as below.

Important Note: Cemkcrete warrants its materials free of manufacturing defects and produced as per standard specifications and sold under the terms and conditions of usages, whilst Cemkcrete endeavors to ensure that any advice, recommendation, or information, given through its products literatures are reflects of the R&D in-house lab test and practical sites experience and knowledge based feed backs, however, the products are being used under various conditions and applied beyond its control where or how either directly or indirectly at various locations and places at a different stages that of an intended purposes and uses. Therefore, Cemkcrete cannot hold warranty or responsible for resultant consequences, such as damages to the property or assets but the product itself.

