



# Hydrostop WSM

## Gun Grade Hydrophilic Sealant

### DESCRIPTION

HYDROSTOP WSM is a grey, elastomeric water-swelling paste which is applied like a sealant. The hydrophilic properties of Hydrostop WSM 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.

### USES

HYDROSTOP WSM can be used as an adhesive for bonding Hydrostop strips or as a problem-solving hydrophilic in difficult access areas including:

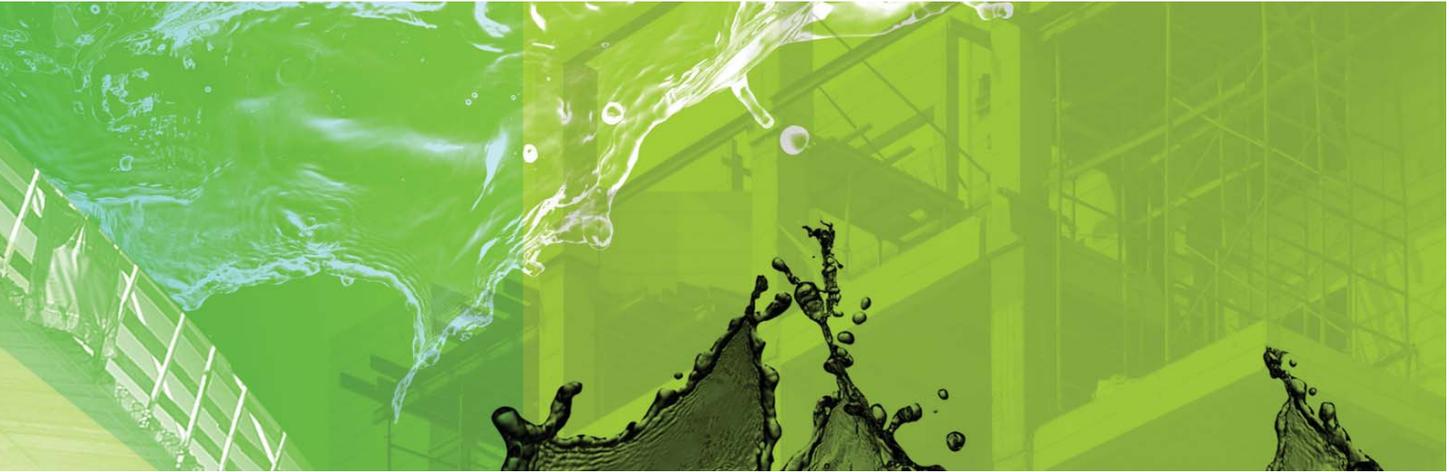
- Sealing around joints in precast manhole covers, cable ducts and pipes, etc
- Sealing around precast segments
- Sealing between rough surfaces, e.g. slurry walls and concrete slabs
- Sealing around H-beams and other penetrations through concrete structures
- Sealing around conventional rubber and plastic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

### TYPICAL PROPERTIES

Property	Value
Form	Elastomeric form-swelling paste
Colour	Grey
Tack-free Time	Approximately 1 hour
Hardness Shore 'A'	30
Cure Rate	3 mm in 24 hours
Swell Ratio	200%

### ADVANTAGES

- 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 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



### PROCEDURE

**Surface Preparation:** Remove all obvious loose debris and soil, moss and organic growth from the substrate. Hydrostop WSM 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 Hydrostop WSM 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.

### PACKAGING AND COVERAGE

Pack Size: 600 ml sachet

Coverage: A 600 ml sachet will extrude a 2.7 metre bead 15 mm diameter.

### STORAGE

Shelf life is 9 months.

Store in original unopened cartridges and cartons in cool, dry conditions.

### LIMITATIONS

Hydrostop WSM should not be used for expansion jointing or for joints subject to significant repetitive movements. Hydrostop WSM should be positioned to ensure that there is a minimum of 70 mm concrete cover to accommodate pressure developed during the swelling process. Hydrostop WSM will establish a firm bond to the concrete. However, as with any hydrophilic waterstop, care should be taken during concreting to avoid pouring directly onto the seal.

N.B.: Hydrostop WSM should not be used as a sealant in general building applications.

### HEALTH AND SAFETY

Please refer to separate Material Safety Datasheet.

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