TECHNICAL DATA SHEET

HYDROSTOP WSM

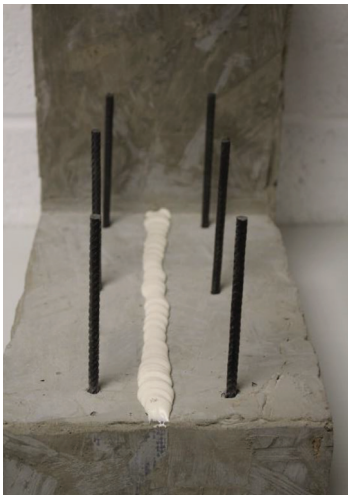
Hydrophilic Mastic Sealant



PREMCRETE

HYDROSTOP WSM







WATER RESISTANT

25 YEARS
PRODUCT WARRANTY

DESCRIPTION

HYDROSTOP WSM is a gun-applied mastic sealant for application where a swellable mastic is required to provide an effective watertight seal in confined applications. The hydrophilic properties of HYDROSTOP WSM display good consistency in swell rate during repeated wet/dry cycles. When it is confined by concrete it will create a positive pressure against the face of the concrete joint which will prevent the passage of water.

USES

HYDROSTOP WSM is used as an adhesive for bonding HYDROSTOP BR to concrete substrate. It is also used as a hydrophilic sealant for providing an effective seal in difficult areas which preclude the use of the hydrophilic water stop. It is used for sealing around pre-cast segments, metal beams and service penetrations.

HYDROSTOP WSM should not be used for expansion joints or joints where significant repetitive movement is expected. HYDROSTOP WSM should only be used where there is more than 75mm concrete cover. HYDROSTOP WSM should not be used as a sealant in general building applications.

ADVANTAGES

- Provides an effective seal to a variety of substrates.
- Swells in excess of 200% to produce a water-tight seal.
- Fast curing enabling concrete to be placed within 24 hours.
- Good adhesion to a variety of substrates.
- Design life at least equal to that of the structure where it is incorporated.

HYDROSTOP WSM

TECHNICAL & PERFORMANCE PROPERTIES

Property	Test Method	Value
Colour	N/A	Grey
Hardness Shore A	N/A	30
Cure Rate	N/A	3mm / 24 hr
Swell Ratio	N/A	200%

INSTALLATION PROCEDURE

Surface Preparation

The surface to which the HYDROSTOP WSM is to be applied should be free from all loose material. The substrate should be relatively smooth. HYDROSTOP WSM may be applied to damp concrete however no surface water should be present.

Application

HYDROSTOP WSM is applied in a foil sachet which may be fitted into a bulk sealant gun. The foil sachet should be cut before applying as a traditional sealant. Where the HYDROSTOP WSM is to be used as an adhesive for the HYDROSTOP BR a minimum 10mm bead should be extruded onto the surface of the concrete to bed the water bar into.
Where the HYDROSTOP WSM is to be used to provide an effective seal in its own right, then a 15mm diameter bead should be extruded onto the substrate, ensuring there is no break in the bead.

PACKAGING & COVERAGE

Pack Size

600ml. 12 pack boxes.

Coverage

A 600ml sachet will extrude a 2.7m bead at 15mm diameter.

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STORAGE & SHELF LIFE

HYDROSTOP WSM should be stored in clean dry conditions at temperatures between 8°C and 25°C.

HEALTH & SAFETY

See separate Material Safety Data Sheet.

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