



WPM SW series

Swellable waterbar

DESCRIPTION

WPM SW is a swellable waterbar based on polymer technology and designed for use in construction joints. WPM SW slowly swells in volume when in contact with water and efficiently waterproofs the construction joint. The pressure of the swelling action will cause the WPM SW to profile itself exactly into the joint and effectively stopping water seepage, even at high external water pressure.

WPM SW is suitable for all construction joints subject to hydrostatic pressure, on one or both sides. Movements in the joint (eg., shrinkage or settlement in the substrate) are taken up by the elastic profile of the waterbar.

USES

- Construction joints in basements, swimming pools, water reservoirs, effluent treatment plants etc.
- Pipe penetrations & cut-outs

FEATURES

- Unrestrained volumetric expansion of 300%
- Flexible and swellable, can absorb construction movements
- Swelling properties unaffected by long term wet/dry cycling
- Suitable for all water qualities including saline water
- Expands slowly to ensure non-disturbance of fresh concrete
- Easy to install

PHYSICAL PROPERTIES

WPM SW	27 ± 1°C
Expansion Ratio (contact with potable water)	approx. 3 times
Tensile Strength	3 N/mm ²
Elongation at break, %	> 300%
Shore A Hardness	> 40

TYPE & PACKING

WPM SW 110 - 10mm x 10mm x 100 RMT
WPM SW 206 - 20mm x 6mm x 100 RMT
WPM SW 210 - 20mm x 10mm x 100 RMT

APPLICATION INSTRUCTIONS

Surface Preparation

All joints to be waterproofed with WPM SW must first be cleaned. Free standing water and sharp protrusions must be avoided.

Installation

For normal joint widths of 200 - 400mm, WPM SW is placed in the middle of the joint. For added safety thicker walls can be fitted with 2 waterbars. The minimum concrete cover of WPM SW is 70mm. Individual waterbars can be connected into longer lengths with an overlap of 20mm

On the prepared surface, apply a uniform, continuous bead of a suitable adhesive along the line of the waterbar to be fixed. Place and press the waterbar firmly on the adhesive ensuring full contact before the adhesive dries out. On vertical surfaces, it is recommended to nail the waterbar to prevent it from slipping away during the concrete pour. Wait for approximately 2 hours after placement of the WPM SW before placing concrete.

STORAGE AND SHELF LIFE

WPM SW has a shelf life of 12 months if kept in a dry, clean store between 5°C and 30°C in the original unopened packing. The product should be protected from frost, away from direct sunlight and sources of heat.

DISPOSAL

Disposal of empty packaging should be in accordance with local waste disposal authority regulations. For further information please refer to the Material Safety Data Sheet.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products. However, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

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