

# Solco SW Hydrophilic Waterstop (Salt Water)

## Description:

Solco SW Hydrophilic Waterstop is a hydrophilic sealing bar made of sodium bentonite and butyl rubber for preventive sealing of construction joints and as a system component for bentonite mats. Solco SW Waterstop is specially developed for sealing in contact with seawater or contaminated water.

Mechanical fixation can be performed with Solco Fixing Adhesive for water swellable sealing profiles or by nailing.

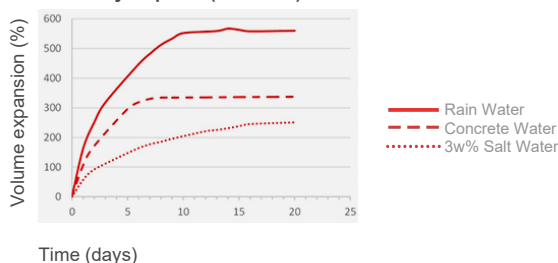
Solco SW is based on high quality butyl rubber and sodium bentonite. Solco SW retains its shape after 3 wet and dry cycles (MPA certified). However, at a certain point, partly washing out will be initiated. The benefit of this phenomenon on the other hand is that concrete voids/cracks are filled up.

## Technical Data:

Property	Value
Volume Expansion (Rain Water)	>550%
Volume Expansion (Concrete Water)	>350%
Volume Expansion (3w% Salt Water)	>250%
Colour	Red
Density	1.4 g/cm <sup>3</sup>
Swelling Pressure (When Encapsulated)	1.8 N/mm <sup>2</sup> (Approx.)
Resistance to Hydrostatic Pressure	Tested up to 4 Bar
Bending Radius on Corners	50mm
Temperature Range	0°C to +50°C

## Expansion Capacity:

Solco SW Hydrophilic (20x5 mm)



## Packaging & Storage:

- Boxes: 6 No. rolls = 30m per box.
- Pallets: 48No. boxes = 1440m per pallet.

Solco Hydrophilic Waterstop should be stored under cover, clear of the ground.



- Developed for preventive sealing of construction joints in concrete and reinforced concrete construction.
- Can be applied as a system component for bentonite mats.
- Seals against non-pressing and pressing ground water up to 6 bar.
- To ensure a continuous section of the sealing bar, an overlap of 5 to 10 cm is applied and the strip ends are firmly pressed together.
- A minimum concrete coverage of 7-8 cm on each side is required.
- Can be applied both vertically and horizontally, but under no circumstances should it be used in expansion joints.
- Good Resistance to a wide range of chemicals.

### Roll Size

20mm x 25mm x 5m



### Installation:

- Place Solco SW on a smooth and dust free surface (concrete).
- Do not install Solco SW during heavy rainfall, as it may result in swelling before the concrete has been poured on the sealing bar.
- Avoid all contact with water before concrete casting.
- Solco SW is positioned between the inside and outside reinforcement.
- Solco SW can be fixed by Solco Fixing Adhesive for water swellable sealing profiles or by gun nailing. For vertical applications, the use of
- a wire mesh is recommended. Mesh and profile are then fixed by gun nailing. More detailed information on the application of Solco Fixing Adhesive can be found in a separate TDS.
- Sealing bars that are damaged, already swollen, or of which the geometry has changed may not be installed.

Solco SW is specially developed for sealing applications in contact with seawater or contaminated water.

### Chemical Resistance:

- Good overall chemical resistance, but we advise to be careful with aromatic oils and fuels, vegetal oils, and strong aromatic solvents.

Ancillary Products		
Solco Waterstop Mesh	Securing Hydrophilic Waterstop by means of nailing	1m Lengths
Solco Watersop Adhesive / Swellable Paste	Adhesive / Swellable Sealant	290ml / 310ml
Solco Sealant Gun	Swellable Sealant Applicator	Cartridge 1 Unit