

# Hydrostop SR

## High Performance Hydrophilic Chloroprene Rubber Waterstop

### Description

Hydrostop SR is made of high performance hydrophilic rubber strips. The swelling action is the resultant between water and expanding hydrophilic groups co-extruded with chloroprene rubber which are part of the Hydrostop SR molecular structure. Expansion of the waterstop creates a positive compressive seal against the face of the concrete joint and prevents water entry into the structure through the protected joint.

### Product Properties

- Easy and fast installation
- Permanently active system
- Flexible strip ideal for corners and curved surfaces
- Non-toxic, suitable use in waters in contact with human or marine life
- Good durability

### Areas of Application

- Construction and cold joints, sealing of precast concrete segments, and in tunnels
- Foundation wall slabs, slabs-on-grade
- Precast wall panels
- Manholes, pipe connections
- Box culverts
- Utility an wet wells, between old & new concrete and potable water tanks

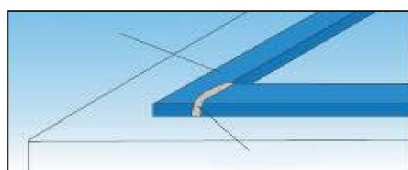
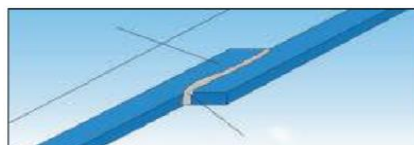
### Application

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Where the substrate is uneven, **HYDROSTOP SR** can be fastened in place using masonry nails at approx. 300mm centers. Care should be taken however to ensure that the substrate has sufficient strength to enable a mechanical fixing element to be securely driven without damaging **HYDROSTOP SR**.

Alternatively, a groove can be cast into concrete to facilitate application. For precast concrete segments, a groove is must.

On difficult substrates and difficult-to-access areas such as unwieldy precast segments, slurry walls, concrete slabs, tunnels, etc. where the waterstop cannot be effectively nailed, **HYDROSTOP SR ADHESIVE SEALANT** can be used.



**HYDROSTOP SR ADHESIVE SEALANT** is a hydrophilic sealant and works in tandem with **HYDROSTOP SR** or independently. Apply **HYDROSTOP SR ADHESIVE SEALANT** from the cartridge like a conventional sealant with a sealant gun. Extrude a bead of not less than 15mm diameter onto the substrate, ensuring there is no break in the bead.

**HYDROSTOP SR** is suitable for use in most weather conditions, but heavy rain or prolonged immersion will cause premature swelling. Should this occur, it will be necessary to allow it to dry, or be dried with a hot air gun before concrete pouring takes place.

**HYDROSTOP SR** is also available in a special *delay-swell version* which ensures that the product can used even during rain (or) if the waterstop is pre-hydrated by error before installation could commence. However, if the product exhibits considerable swell prior to confinement in the joint, it must be replaced with new materials.

Marketed by :

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### Technical Data for Hydrostop SR

Characteristic	Unit	Value	Comments
Active Polymer		Chloroprene Rubber & Hydrophilic Groups	GC
Service Temperature Range	°C	-30 - 50	In-House
Shore A Hardness		40 - 50	ASTM D 2240 : 02A
Tensile Strength	N/mm <sup>2</sup>	1.50	ASTM D 638
Elongation	% and above	350	ASTM D 638
Expansion Volume Rate	% and above	300	ASTM D 471
Hydrostatic Head Resistance	m	70	Hydraulic Rig Tester

\*All tested & physical parameter values are subject to a 5 – 15 % tolerance factor

\*Salt water grade available

\*Self Adhesive version available

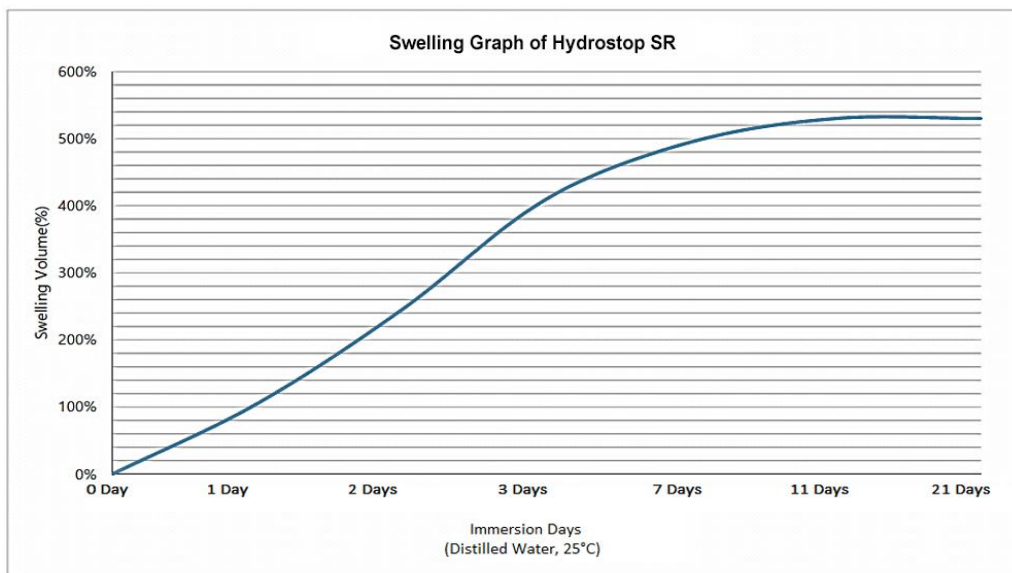
### Product Characteristic for Hydrostop SR

Colour	Black
Dimension	20mm x 10mm x 10 metre
Packaging	10 metres roll / 1 carton (10 rolls)
Storage	Shelf-life is unlimited if kept in sealed carton boxes in cool and dry conditions.

### Safety Advice

There are no known hazards associated with **HYDROSTOP SR** during normal use.

For **HYDROSTOP SR ADHESIVE SEALANT**, the product may cause sensitization by skin contact. Avoid contact with skin and eyes. Wear suitable gloves eye and face protection. Use in well-ventilated areas. Please refer to product safety data sheet for detailed information.



**Note:** Bespoke vendor supplies. The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

**Edition 12/18.** Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

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