

PRODUCT DATA SHEET

AQUASEAL SW

*High performance hydrophilic waterstops***DESCRIPTION**

AQUASEAL SW is a flexible, hydrophilic polymer rubber waterstop for construction joints and precast elements. It expands in controlled manner on contact with water.

Expansion of the waterstop creates a positive seal against the face of the concrete joint and prevents the water entry into the structure through the protected joint.

APPLICATIONS

Hydrophilic waterstop can be applied against existing concrete and are simply installed by nailing or using a hydrophilic adhesive. In contact with water, hydrophilic strips react and swell to form a compression seal.

Hydrophilic strips are suitable for installation in contraction and construction joints. **AQUASEAL SW** is used primarily for foundation walls slabs, slabs-on-grade, pre-cast wall panels, manholes, pipe connections, box culverts, utility and wet wells, and potable water tanks.

ADVANTAGES

- Active protection- **AQUASEAL SW** hydrophilic waterstop swell in contact with water to form an effective compression joints.
- Slow expansion rate to prevent damage to freshly placed concrete during curing.
- Sustains effective seal in wet conditions.
- Simple application and jointing techniques.
- Swelling properties unaffected by long term wet/dry cycling.
- Retains original shape after repeated and contraction.

METHOD OF INSTALLATION

AQUASEAL SW can be installed either by suitable adhesive using **AQUASEAL SW** or mechanically by nails when using

AQUASEAL SW adhesive, extrude enough materials on a sound clean substrates and immediately fix firmly **AQUASEAL SW** into **AQUASEAL SW** adhesive.

Also **AQUASEAL SW** can be fastened in place using masonry nails at approximately 300mm centers. Care should be taken however to ensure that the substrate has sufficient strength to enable a mechanical fixing to be securely driven without damaging the **AQUASEAL SW**.

TECHNICAL PROPERTIES

Component:	Single
Form:	Flexible roll
Colour:	Black or blue
Service temperature range:	-30 to 70°C
Shore A Hardness:	40 - 50
Expansion volume:(fresh water)	≥ 200%
Hydrostatic pressure resistance:	> 50 m (5 bars)

Alternatively, a groove can be cast into concrete to facilitate application. **AQUASEAL SW** 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 out, or be dried with a hot air gun before concrete pouring takes place. **AQUASEAL SW** should not be used in expansion joints, or any concrete section of less than 150 mm width.

PACKAGING:

SW-2003: 20 mm x 3 mm. (30 m x 10 rolls/box).
 SW-2004: 20 mm x 4 mm. (25 m x 10 rolls/box).
 SW-2005: 20 mm x 5 mm. (20 m x 10 rolls/box).
 SW-2020, 20 mm x 20 mm. (12.5 m x 2 rolls/box).
 SW-4010, 40 mm x 1 mm. (40 m x 10 rolls/box).

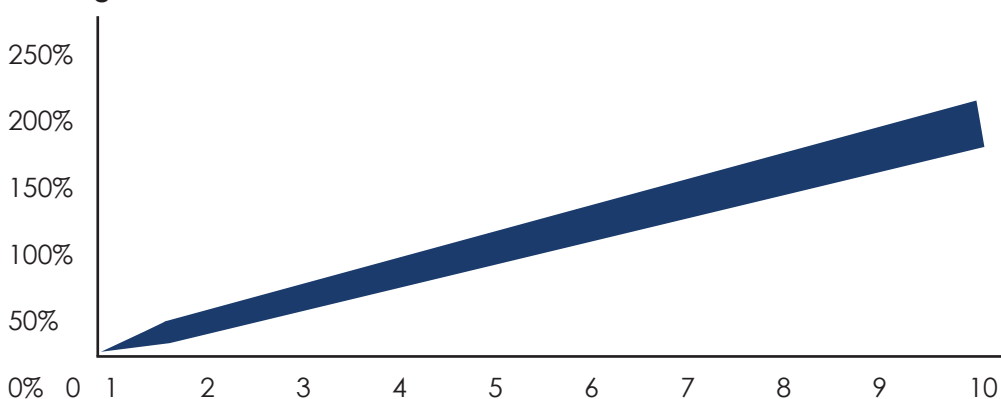
CAUTIONS

HEALTH AND SAFETY

There are no known hazards associated with **AQUASEAL SW** during normal use. Refer to product Safety Data Sheet for detailed information.

For further information refer to the Material Safety Data sheet

swelling Rate



More from starke construction chemicals A wide range of construction chemical products are manufactured by STARKE which include:

- **Concrete admixtures.**
- **Surface treatments**
- **Grouts and anchors.**
- **Concrete repair.**
- **Flooring Coating**
- **Sealants.**
- **Waterproofing.**
- **Adhesives.**



Important note :

Starke range products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Starke endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation, opinion or information given by it.

Starke Polymer Ltd
 Plot 158, kampala uganda
 Construction Chemicals

Tel + 256 709 704 421
Tel + 256 792 171 023

Email: info@starkepolymers.com
[www. Starke polymers.com](http://www.Starkepolymers.com)