

## **MONO AQUASEAL SW**

### **High performance hydrophilic waterstops**

#### **Description**

**MONO AQUASEAL SW** is made of bentonite free high performance polymer modified chloroprene rubber strips. The swelling action is the result between water and hydrophilic groups which are part of the **MONO AQUASEAL SW** molecular structure.

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

#### **Method of Installation**

**MONO AQUASEAL SW** can be installed either by suitable adhesive using **MONO AQUASEAL SW** or mechanically by nails when using **MONO AQUASEAL SW** adhesive, extrude enough materials on a sound clean substrates and immediately fix firmly **MONO AQUASEAL SW** into **MONO AQUASEAL SW** adhesive.

Also **MONO AQUASEAL SW** can be fastened in place using masonry nails at approximately 300 mm 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 **MONO AQUASEAL SW**.

#### **Technical Properties**

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

Alternatively, a groove can be cast into concrete to facilitate application. **MONO 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. **MONO 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).

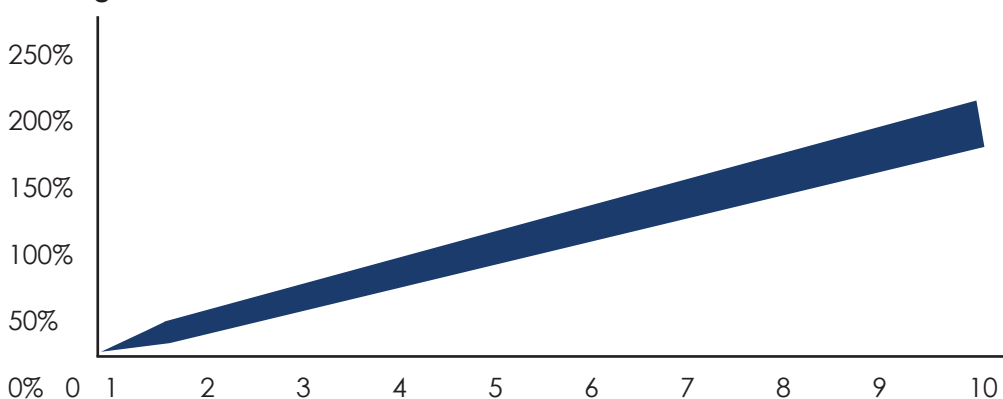
## CAUTIONS

### HEALTH AND SAFETY

There are no known hazards associated with **MONO 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



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**Starke Polymer Ltd**  
Plot 158, kampala uganda

Tel + 256 787 288 087  
Tel + 256 708 693 991

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