



EUUCO WATERSTOP SW

HIGH PERFORMANCE HYDROPHILIC SWELLABLE WATERSTOP

EUCLID CHEMICAL

JOINT FILLERS & SEALANTS

DESCRIPTION

EUUCO WATERSTOP SW is made of high performance hydrophilic rubber strips. The swelling action is the result of contact with water. Expansion of the waterstop creates a positive compression seal against the face of the concrete joint and prevents water entry into the structure through the protected joint.

PRIMARY APPLICATIONS

- **EUUCO WATERSTOP SW** can be applied against existing concrete and simply installed by nailing or using a hydrophilic adhesive. In contact with water, hydrophilic polymers react and swell by up to 450 – 600% of the original dimensions to form an excellent compression seal.
- **EUUCO WATERSTOP SW** strips are suitable for installation in low movement construction joints.
- **EUUCO WATERSTOP SW** is used primarily for tunnels, foundation wall slabs, slabs-on-grade, precast wall panels, manholes, pipe connections, box culverts, utility and wet walls, between old & new concrete and potable water tanks.

FEATURES / BENEFITS

- Active protection – **EUUCO WATERSTOP SW** swells in contact with water to form an effective compression joint.
- Simple application and jointing techniques. Easy to handle. No split forming or no welding at site required.
- Slow expansion rate to prevent damage to freshly placed concrete during curing.
- Retains original shape after repeated contraction.
- Swelling properties are unaffected by long term wet / dry cycling.
- Sustains effective seal in wet conditions.
- Available in self-adhesive version
- Works well with ground water and water with high salt and alkali content.
- Non-toxic – suitable for use in waters in contact with human or marine life.

TECHNICAL INFORMATION

PROPERTY	RESULT	TEST STANDARDS
Active Polymer	Chloroprene Rubber & Hydrophilic groups	-
Service Temperature Range	-30°C – +50°C	-
Shore A Hardness	40 - 50	ASTM D 2240 : 02A
Tensile Strength	2.5N/mm ²	ASTM D 638
Elongation	450% and above	ASTM D 638
Expansion Volume rate	300% and above	ASTM D 471
Hydrostatic Heat Resistance	70m	Hydraulic Tester
Colour	Black	Physical
Sizes	20mm X 10mm	-

SHELF LIFE

EUUCO WATERSTOP SW must be stored in cool, dry areas, only in pallets. Should not be exposed to direct sunlight, water, rain or humidity. The product is very sensitive to air and moisture. The shelf life is 12 months if stored as per recommendation.

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DIRECTIONS FOR USE

Where the substrate is uneven, **EUCO WATERSTOP SW** can be fastened in place using masonry nails at approx. 300mm centres. 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 **EUCO WATERSTOP SW**.

Alternatively, a groove can be cast into concrete to facilitate application. On difficult substrates and difficult-to-access area such as precast segments, slurry walls, concrete slabs, tunnels, etc. where the waterstops cannot be effectively nailed, **adhesive sealant** can be used.

The adhesive sealant must be hydrophilic sealant and works in tandem with **EUCO WATERSTOP SW** or independently. Apply 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.

EUCO WATERSTOP 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, or be dried with a hot air gun before concrete pouring take place.

EUCO WATERSTOP SW should not be used in expansion joints, or any concrete sections of less than 150mm width. Should be installed with a minimum of 75-100mm clear cover from the face of concrete.

HEALTH & SAFETY

There are no known hazards associated with **EUCO WATERSTOP SW** during normal use. Refer to product safety data sheet for detailed information.

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