SUPERSTOP SW

High Performance Hydrophilic Swellable Waterstop

DESCRIPTION

SUPERSTOP 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.

BASIC USES

SUPERSTOP 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 and excellent compression seal.

- SUPERSTOP SW strips are suitable for installation in low movement construction joints.
- SUPERSTOP 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 – SUPERSTOP 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.

DIRECTIONS FOR USE

Where the substrate is uneven, SUPERSTOP 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 SUPERSTOP 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 SUPERSTOP 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. SUPERSTOP 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.

SUPERSTOP 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.

SAFETY PRECAUTIONS

The Technical and Safety Data Sheets must be read and understood before use.

WARRANTY

Tremco warrants its Products to be free of defects in materials but makes no warranty as to appearance or colour. Since methods of application and on-site conditions are beyond our control and can affect performance, Tremco makes no other warranty, expressed or implied, including warranties of MERCHANTABILITY and FITNESS FOR A PARTICULAR PURPOSE with respect to Tremco Products. Tremco's sole obligation shall be, at its option, to replace or to refund the purchase of the quantity or Tremco product prove to be defective and Tremco shall not be liable for any loss or damage.

PROPERTY	DESCRIPTION
Appearance	Black
Service Temperature Range	-30°C – +50°C
Shore A Hardness	40 - 50
Tensile Strength	2.5N/mm2
Elongation	450% and above
Expansion Volume rate	300% and above
Hydrostatic Heat Resistance	70m
Impact Resistance [mm]	1000
Shelf Life	12 months if stored as per recommendation.
Sizes	20mm x 10mm