

Vetostop SW1

Hydrophilic swellable waterstop



Uses

- Use on foundation walls slabs, slabs-on-grade.
- Pre-cast wall panels and manholes.
- Pipe connections and service entry waterproofing.
- Use on box culverts, utility and wet wells, potable water tank joints.

Product Description

Vetostop SW1 is a thermoplastic SEBS based hydrophilic Swellable construction cold joint water-stop. The profile has a Bond-enhancing grooved surface and unique swelling Properties with controlled and delayed expansion.

Advantages

- Active protection - Vetostop SW1 hydrophilic water-stop swell in contact with water to form effective compression joints.
- It requires simple application and jointing techniques.
- It has a controlled delay expansion rate to prevent damage to freshly placed concrete during curing.
- It retains the original shape after repeated swelling and contraction.
- Swelling properties unaffected by long term wet/ dry cycling.
- It sustains an effective seal in wet conditions.

Design Criteria

Vetostop SW1 should be used to prevent the passage of water through the non-movement joint in both new in-situ concrete and between new and existing concrete. Swelling of Vetostop SW1 in fresh concrete is minimal, and most of the volume swell takes place after the initial hardening of the concrete has taken place. Vetostop SW1 water-stop should be positioned to ensure that a minimum of 70 mm cover of concrete is present to accommodate pressure developed during the swelling process. It is recommended that the strip is fixed by both adhesive and mechanical means to ensure maximum contact with the joint faces and to avoid displacement when pouring the fresh concrete.

Technical Data

Vetostop SW1	Typical Values @ 25°C
Service Temperature Range (°C)	- 30 + 60
Color	Red or Orange
Specific Gravity - ASTM D792/ISO 1183	1.2
Shore A Hardness ASTM D2240/ISO 868	45+/-5
Tensile Strength - ASTMD412 (MPa)	3
Elongation DIN 53571 (%)	300
Free Volume Change EN ISO 175	Up to 600 % in neutral water Up to 100 % in salt water
Tear Resistance - ASTM D624 (N/mm)	7
Hydrostatic Pressure Resistance	Up to max 8 bar (80m water column)

Standards Compliance

- MFPA Leipzig Nr: PB5.1/13-5154-3
- European Technical Assessment: ETA-18/0304
- MPA Braunschweig (1200/442/15d)-Pan 2015

Chemical Resistance

Resistant to	Chemical Compound Group
	Diluted Acids and Alkalis
	Salt Water
	Methane Gas
	Radon
	Liquid Manure and Slurry
	Fermentation Mash and Biogas
	Concrete Alkalinity
	Mineral Oils
	Fuel (Petrol, Diesel, Kerosine)

Usage Instructions

Vetostop SW1 may be positioned by bonding using Vetostop XSW adhesive. Install the Vetostop SW1 either into a groove cast in the concrete or directly onto the concrete surface. Vetostop SW1 can also be fastened by using masonry nails at (250-400) mm centers.

Vetostop SW1 is suitable for use in most weather conditions, but heavy rain or prolonged immersion will cause sudden swelling. Should this occur, it is necessary to allow the Vetostop SW1 to dry out or dry it with a hot air gun before pouring the concrete.

Vetostop SW1 should not be used in expansion joints or any concrete section of less than 150 mm width. No welding is required, Splices are formed as butt- joints or overlapped.

Packaging & Coverage

Product	Pack Size
Vetostop SW1 - 20mm *5mm	120 m/ carton, 6 rolls of 10m each

Shelf Life & Storage

Vetostop SW1 has an unlimited shelf life provided it is stored clear of ground in a dry and shaded place below 35°C.

Health & Safety

There are no known hazards associated with Vetostop SW1 during regular use. Refer to the product Material Safety Data Sheet for detailed information.

Additional Information

Saveto manufactures a wide range of construction chemicals and specialty products for various applications.

For further information on these products and systems kindly check our website or contact your local Saveto representative.

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