

GreenFix PVC Water Stops

Centrally and Externally Placed PVC Water Stops

DESCRIPTION

GreenFix PVC Water stops are designed for use in concrete construction joints. These are designed to provide an integral sealing system for movement in construction joints in cast in-situ concrete. One side of which is subject to hydrostatic pressure.

GreenFix PVC Water stops are extruded from high grade PVC compound which has been formulated to give excellent flexibility and durability features.

Primary USES

GreenFix PVC Water stops are used as a barrier within the joint to prevent the passage of liquid through or across the joint. It is designed to accommodate lateral and transverse movements that cause the joints to open or close or misalign.

Mainly used in:

- Water Retaining Structure:
- Water Tanks
- Swimming Pools
- Dams, Spillways and Canals
- Water Excluding Structures:
- Basements & Retaining Walls
- Underground Structures • Tunnels

FEATURES AND BENEFITS

Excellent Tensile/ Tear Strength properties provide strength required in steep ponds of 3:1 slope angle or steeper

- High Tensile Strength & Ductility.
- Easy to be welded and to be embedded.
- Not subjected to environmental stress, cracking.

Products SPECS

Appearance	PVC Strips
Color	Red & Blue
Density	1.45 Kg/l
Chemical Base	Poly Vinyl Chloride
Service Temperature	-35C To +55C
Tensile Strength	> 10 N/mm ² (DIN 53455) > 12.17 Nmm ² (CRD-C573, ASTM D-412) >11 N/mm ² (BS2782 M320A)
Tear Strength	> 12 N/mm ² (DIN 53507A) Shore A Hardness: 90+5 (DIN 53505) Elongation at Break: > 300% (DIN 53455) > 300% (CRD-C 573, ASTM D412) > 300% (BS 2782 M320A)
Chemical Resistance	Water, Sea Water, Sewage, Road Salt Solution
Alkali Resistance	Passed. CRD-C 572-65.

STANDARDS COMPLIANCE

Complies with US Corps of Engineers Specification CRD-C-572 and BS 2571 test method BS 2782:320A ASTM D0412 & ASTM D-638.

DESIGN CRITERIA

The choice of the width and thickness of the GreenFix PVC Water stops is principally managed by concrete thickness, the position of the reinforcement, aggregate size and complexity of the concrete pour.

In general, the 250 mm width of water stop is appropriate for wall thickness of 250 mm and over. For wall thickness less than 250 mm use 150- and 200-mm size Water stops

Centrally Placed Water stops:

These water stops are placed within the thickness of the concrete sections and as a result are supported by concrete on both sides. They are able to withstand water pressure from both the sides. This is the typical reason that makes them suitable for use in water retaining structures.

Externally Placed Water stops:

These water stops are designed to use in foundations, basements and floor slabs in vertical and horizontal joints in both water retaining and water excluding structures.

Externally Placed Water stops, when used in walls will only resist water pressure from the face to which they are fixed. When used below floor slabs, where the water stops are supported by the blinding concrete or when placed in vertical situations against permanent concrete shuttering, these will resist water pressure from either face.

Available Sizes:

Width: 100 mm to 300 mm & Thickness 4-5 mm to 9-10 mm.

PAKAGING

30 Linear Meters Roll.

Safety Precaution

As with all chemical products, care should be taken during use and storage to avoid Contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal Containers after use. Use in well-ventilated areas and avoid inhalation.