

ConFix PVC Water Stops

Centrally and Externally Placed PVC WaterStops

DESCRIPTION

ConFix PVC Waterstops 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.

ConFix PVC Waterstops are extruded from high grade PVC compound which has been formulated to give excellent flexibility and durability features.

USES:

ConFix PVC Waterstops 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.

PHYSICAL & TECHNICAL DATA:

Appearance	PVC Strip
Color	Blue, Red
Density	1.45 + 0.15 kg/l
Chemical Base	Polyvinyl Chloride
Service Temperatures	-35°C to +55°C
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
Temporarily	Diluted Inorganic Alkalis
Temporarily	Diluted Inorganic Alkalis, Mineral Acids and Mineral Oils
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**

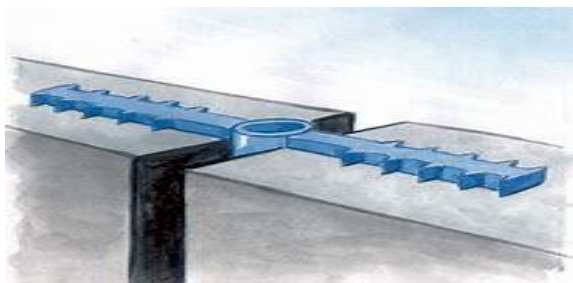
DESIGN CRITERIA

The choice of the width and thickness of the ConFix PVC Waterstops 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 waterstop is appropriate for wall thickness of 250 mm and over. For wall thickness less than 250 mm use 150 and 200 mm size Waterstops.

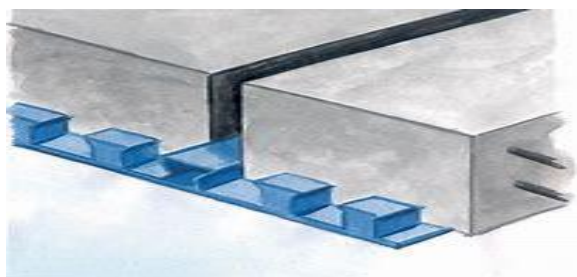
Centrally Placed Waterstops:

These waterstops 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 make them suitable for use in water retaining structures.



Externally Placed Waterstops:

These waterstops 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 Waterstops, when used in walls will only resist water pressure from the face to which they are fixed. When used below floor slabs, where the waterstops 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

STORAGE

Store in dry and cool place below 35^o C.
Protect from direct sunlight.

INSTALLATION/FIXATION

Centrally placed ConFix PVC Water Stop:

Installation in the center of the concrete Structures. Easy anchoring of **ConFix PVC Waterstop** to reinforcement with special clips (3 pieces per m).

Externally placed ConFix PVC Water Stop:

Installation on the surface of the formwork or on the surface of the base/dry lean concrete.

Welding Temperature: Approx. 200^o C

Precautions & Limitations:

Welding should take place in ventilated area or while wearing oxygen mask.

TECHNICAL SERVICES:

A trained RADIANT representative is available to assist in the preparation of specifications, and the resolution of concrete problems in the field.

Important Note:

RADIANT Construction Technologies manufactures wide range of construction chemicals, including admixtures, concrete repairing mortars, curing compounds, adhesives, concrete protection coatings, waterproof coatings, grouts & Tile Bond.

Separate Technical Data Sheets are available for these products.

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