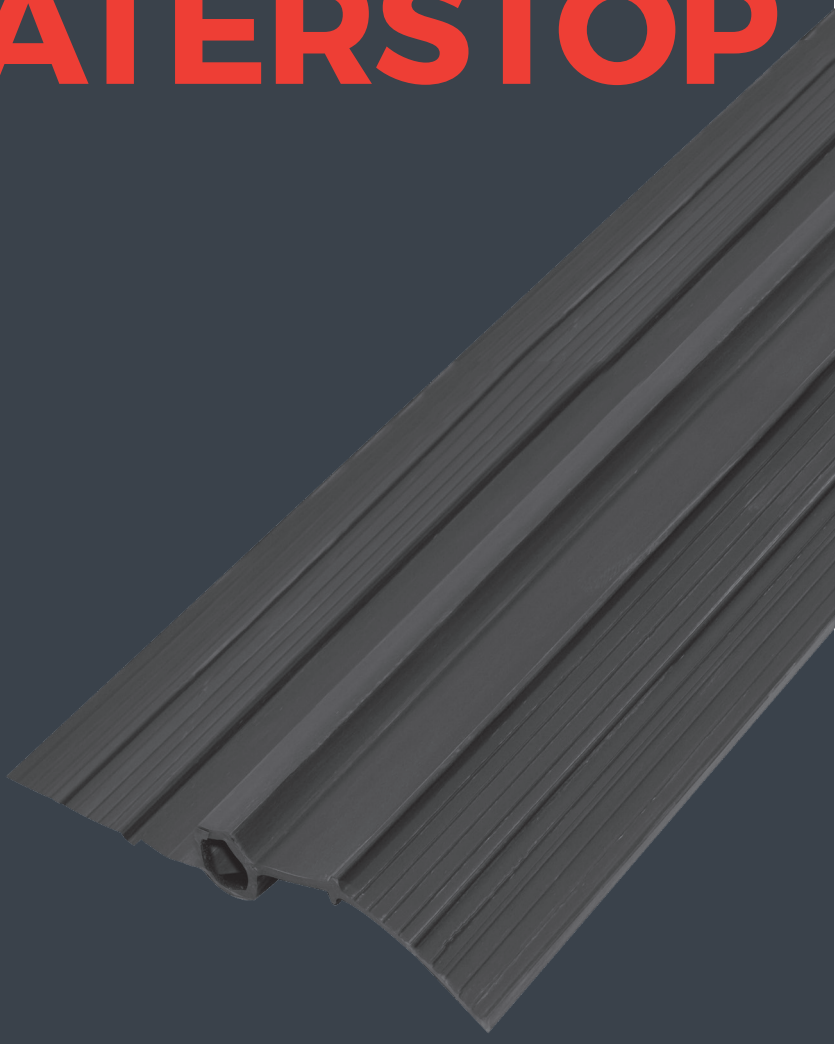
TECHNICAL DATA SHEET

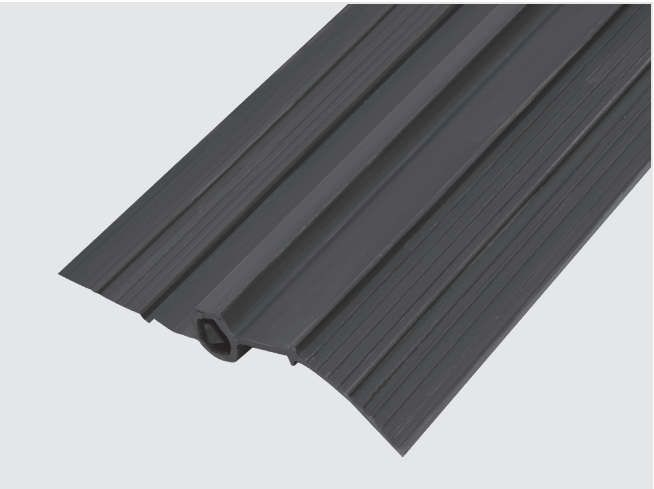
HYDROBAR PVC WATERSTOP

PVC
Waterstop Range



PREMCRETE

HYDROBAR PVC WATERSTOP





TYPE B
WATERBAR SYSTEM

WATER RESISTANT

25 YEARS
PRODUCT WARRANTY

DESCRIPTION

HYDROBAR PVC is a range of high-performance PVC extruded waterstop designed to prevent the passage of water through construction and expansion joints in watertight structures. The HYDROBAR PVC WATERSTOP range includes the REARSTOP and CENTRESTOP profiles and a number of pre-formed junction pieces and sections depending upon the application.

HYDROBAR PVC CENTRESTOP is designed to be installed centrally within concrete wall and floor joints. It's unique rib and centre-bulb profile ensure that an effective barrier to water is maintained when there is water pressure from within or without the structure. HYDROBAR PVC CENTRESTOP has been independently tested in accordance with BS2782 to withstand water pressure up to 32m head in construction and expansion joints.

HYDROBAR PVC REARSTOP is designed to seal expansion joints in concrete structures at the outside face where resistance to water pressure from outside the structure is required. HYDROBAR PVC REARSTOP has been independently tested to provide an effective barrier to water pressure up to 32M head.

USES

HYDROBAR PVC WATERSTOP is primarily designed for use as an effective method to seal expansion joints in cast-in-situ concrete structures. The WATERSTOP is intended for use on water retaining and water excluding structures, including reservoirs, water tanks, dams, swimming pools, basements, tunnels, underground carparks etc.

ADVANTAGES

- Provides an effective seal at expansion joints.
- Joints are easily welded on site.
- Available in a number of profiles and sizes.
- Supplied with a number of pre-formed pieces.
- The service life of the system has a durability equivalent to that of the building into which it is incorporated.

HYDROBAR PVC WATERSTOP

INSTALLATION PROCEDURE

The Hydrobar PVC Waterstop must be installed by a Premcrete Approved Specialist Installer.

Installation of Centrestop: The WATERSTOP should be positioned centrally within the thickness of the concrete that is to be poured and the centre bulb should be located centrally in line with where expansion joint is to be located. The WATERSTOP should be secured in position using tying wire through the metal eyelets securing the WATERSTOP to the reinforcement. It is essential that the concrete is well compacted around the waterbar which will prevent the passage of water through any voids around the waterstop.

Installation of Hydrobar PVC Rearstop: For application to walls, the WATERSTOP should be fixed to the shutter using nails, through the outer nailing flanges, taking care to ensure that the nails are left protruding, so they become embedded into the concrete to prevent damage to the waterbar when striking the shutter. Where the waterbar is being used to waterproof expansion joints on a ground horizontal concrete slab then the WATERSTOP should be laid onto the substrate or concrete blinding positioned centrally over the joint and tied to the reinforcement to prevent displacement during the concrete pour.

Jointing of Hydrobar PVC: The WATERSTOP should be cut to length using a sharp knife and can be welded on site using a HYDROBAR PVC jointing jig and hot knife. The ends to be welded should clamped into the jointing jig and pressed firmly against either side of the hot knife until a bead of molten PCV forms along the width the pieces of WATERSTOP. The hot knife can then be removed, and the two pieces pushed together allowing the PVC to cool producing a fused watertight connection.

TECHNICAL & PERFORMANCE PROPERTIES

Property	Test Method	Value
Elongation @ Break	N/A	> 300%
Tensile Strength	N/A	> 16 MPa
Shore A Hardness	N/A	85 - 90
Relative Density	N/A	1.45
BS Softness	N/A	28 @ 20°C

PACKAGING & COVERAGE

Pack Sizes: 25m x 200mm
25m x 240mm

STORAGE & SHELF LIFE

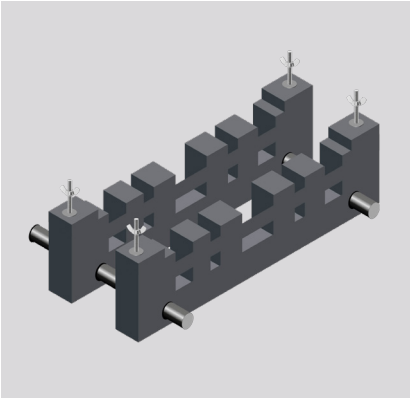
HYDROBAR PVC WATERSTOP should be stored in cool dry conditions away from direct sunlight.

HEALTH & SAFETY

See separate Material Safety Data Sheet.

HYDROBAR PVC WATERSTOP

ANCILLARY PRODUCTS



JOINTING JIG



HOT KNIFE

44 Macadam Way | West Portway | Andover | Hampshire | SP10 3XW
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PREMCRETE