



PACTOPVC Waterstop H

Internal and External Fixed PVC Waterstop

DESCRIPTION

PACTOPVC Waterstop H is a special grade PVC extrusion formulated to meet the highest performance specifications. **PACTOPVC Waterstop H** is supplied as straight lengths along with factory fabricated junction pieces to simplify layouts and site jointing.

TYPICAL USES

PACTOPVC Waterstop H provides a continuous network solution for sealing construction and movement joints in cast, in-situ concrete structures.

Typical uses include:

Water retaining structures

- Tanks, reservoirs and sewerage plant
- Swimming pools
- Elevated water towers
- Oil storage tank bond walls
- Culverts, canals and dams

Water excluding structures

- Basements
- Underground car parks
- Buried storage tanks
- Retaining walls
- Bridge abutments
- Tunnels and subways

ADVANTAGES

- Unique design
- Full range of profiles
- Full range of factory fabricated junctions
- Continuous 4 valve network
- Reinforced edge flange with brass eyelets on internal sections for secure fixing
- Easy jointing system
- Approved for use in contact with potable water

RELEVANT STANDARDS

Complies with CRD-C-572
BS2571
ASTM D 638
ASTM D 412-75

TECHNICAL DATA

Typical Properties

Profiles

Form	:Extruded PVC profiles
Colour	:Blue
Hydrostatic head	: Up to 12m
Joint movement	: Up to 12mm

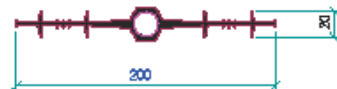
PVC Compound

Tensile strength min.	15 N/mm ² ASTM D638
Elongation at break min.	370% ASTM D638
Shore A hardness	75 ± 5 ASTM D638
Specific Gravity	1.3 ± 0.1 ASTM D 792
Water absorption (% by weight)	0.06 ASTM D 570

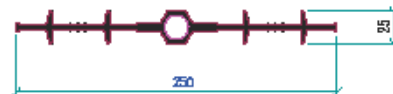
PACTOPVC WATERSTOP H INTERNAL PROFILES

Internal Expansion Joint (IEJ) sections are used in expansion joints. The centre bulb allows for cyclical movement in the structure and has a flat top section for seating of expansion joint fillers and formwork.

IEJ 200



IEJ 250



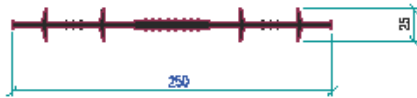


Internal Construction Joint (ICJ) plain web sections are used in construction joints. Grout excluding fins are incorporated to give a positive area to locate formwork and control grouts loss.

ICJ 200



ICJ 250



IEJ and ICJ sections incorporate an eyeleted reinforced edge flange, which enables the profile to be securely wired to adjacent rebar.

EXTERNAL PROFILES

External Expansion Joint (EEJ) sections are used in expansion joints. The centre box allows movement accommodation and has a flat top section for easy seating of expansion joint fillers and formwork.

EEJ 250



EEJ 200

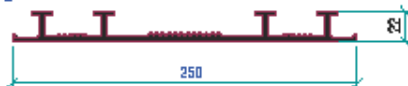


External Construction Joint (ECJ) sections are used in construction joints and incorporate grout excluding fins to give a positive area to locate formwork and control grout loss.

ECJ 200



ECJ 250

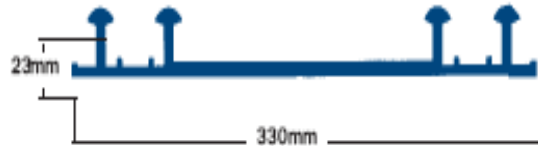


EEJ and ECJ sections incorporate a nailing flange with a reinforced edge to provide secure fixing that will resist tearing.

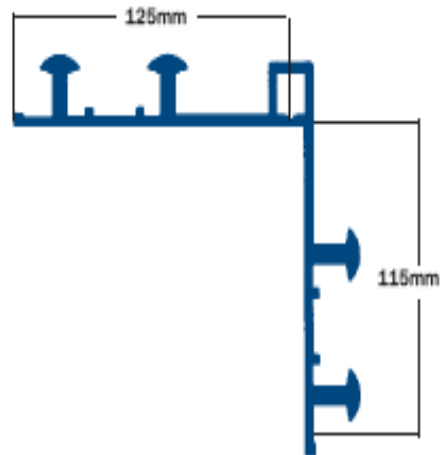
NOTE:

150mm wide sections and **extra heavy duty (XHD)** profiles are available if required. Please contact PAC Technologies Technical Department for more details.

ECJ Kicker is an extended width profile to be used when a separate kicker is cast between floor slab and wall construction which spans the 2 joints formed.



External Angle Joint (EAJ) sections are used mainly in pile cap locations when the ground slab meets the pile cap or the joint line is along a change of level of slabs. The section can be linked with the 250mm EEJ and 250 ECJ.





TYPICAL DETAILS OF MOVEMENT / CONSTRUCTION JOINTS WATER RETAINING STRUCTURES

- Expansion Joint-Wall
 - Expansion Joint- Floor
 - Formed Contraction Joint- Wall
 - Formed Contraction Joint-Floor
 - Induced Partial Contraction Joint- Wall
 - Induced Partial Contraction Joint - Floor
- Details comply with BS8007. Design of concrete structures for retaining aqueous liquids.

WATER EXCLUDING STRUCTURES

- Junction of wall and ground slab
 - Floor- section
 - Wall - plan
- Details comply with BS8102: 1990. Protection of structures from water from the ground.

PACTOPVC WATERSTOP H STANDARD JUNCTION PIECES

Factory fabricated junctions are available for all **PACTOPVC Waterstop H** profiles. Flat junctions have a leg length of 230mm from centre line. Vertical or on edge junctions have a leg length of 75mm. Leg lengths for EAJ sections are 300mm

More details on available profiles can be made available on request

SITE JOINTING WELDING EQUIPMENT

Site jointing of **PACTOPVC Waterstop H** is carried out utilizing PAC Technologies metal jointing jigs and electric heater blades.

WIDTH OF WATERSTOP

For concrete members of 250mm or above, use the 250mm profile. For concrete members less than 250mm thick, select the waterstop width to be equal to or greater than the width of the concrete wall or slab.

**PACKAGING AND YIELD
PAC TECHNOLOGIES PACTOPVC Waterstop**

- 250mm wide 15m rolls
- 200mm wide 15m rolls
- 150mm wide 15m rolls

PAC TECHNOLOGIES HEATER BLADES

110v and 220v, 350w blades are available.
Warning: Ensure that heater blades are earthed by the green/yellow wire.

HEALTH & SAFETY

Hot welding of **PACTOPVC Waterstop H** will liberate hydrogen chloride vapour which may exceed the operational exposure limit of 5 parts per million in confined still air spaces. A suitable respirator or forced ventilation should be provided in these situations



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