

AQUA STOP PVC

PVC waterstops

DESCRIPTION

AQUA STOP PVC is a high grade PVC extrusion formulated to meet the highest performance specifications. AQUA STOP PVC Waterstops are supplied as straight lengths along with factory fabricated junction pieces to simplify layouts and site jointing..

TYPICAL USES

AQUA STOP PVC provides a continuous network solution for sealing construction and movement joints in cast, in-situ concrete structures.

Typical uses include:

Water retaining

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

Water excluding

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

ADVANTAGES

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

RELEVANT STANDARDS

Complies with US Corps of Engineers Specification CRD-C-572 and BS2571 Test method BS2782:320A

TECHNICAL DATA

Profiles

Form Extruded PVC profiles

Colour Blue

Hydrostatic head Up to 100m

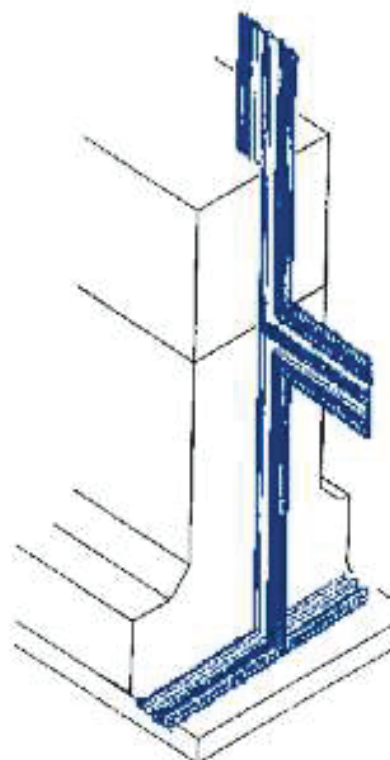
Joint movement Up to 12mm

PVC Compound

Tensile strength min. 14.7 N/mm²

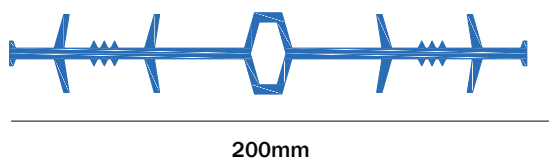
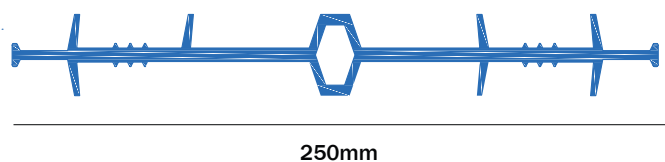
Elongation at break min. 300%

Shore A hardness 80-90°

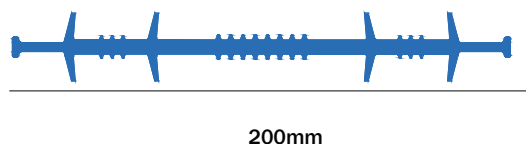
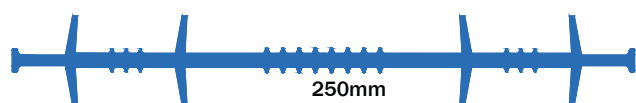


SPECTITE PVE WATERSTOP INTERNAL PROFILES

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.



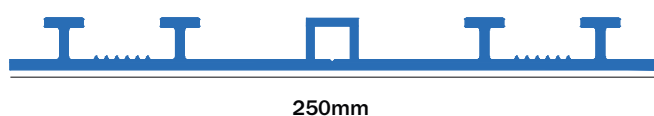
Internal Construction Joint (ICJ) plain web sections are used in construction joints. Grout excluding fins are incorporated to give a positive area to locate formwork and control grouts loss.



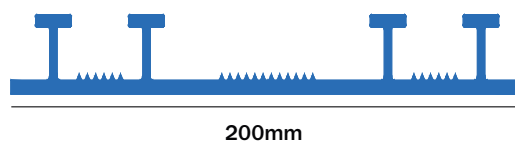
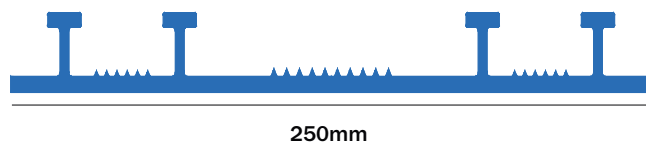
IEJ and ICJ sections incorporate an eyeletted reinforced edge flange, which enables the profile to be securely wired to adjacent rebar.

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.



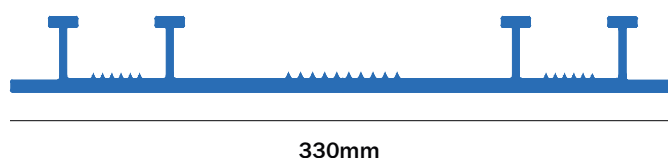
External Construction Joint (ECJ) sections are used in construction joints and incorporate grout excluding fins to give a positive area to locate formwork and control grout loss.



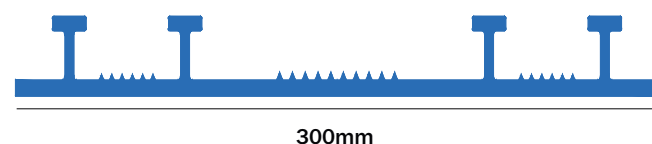
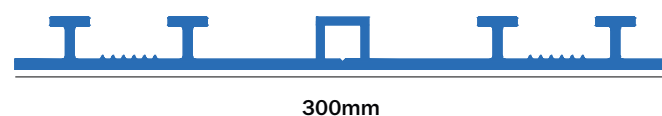
EEJ and ECJ sections incorporate a nailing flange with a reinforced edge to provide secure fixing that will resist tearing.

NOTE:

150mm wide sections and extra heavy duty (XHD) profiles are available if required. Please contact STARKE 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

Details comply with BS8007. Design of concrete structures for retaining aqueous liquids.

WATER EXCLUDING STRUCTURES

Junction of wall and ground slab.

Details comply with BS8102: 1990. Protection of structures from water from the ground.

SPECTITE PVE WATERSTOP STANDARD JUNCTION PIECES

Factory fabricated junctions are available for all AQUA STOP PVC Waterstop 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.

250 EAJ JUNCTIONS

SITE JOINTING WELDING EQUIPMENT

Site jointing of Aquastop PVC is carried out utilising SpECTite 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

AQUASTOP PVC

250mm wide 12m rolls

200mm wide 15m rolls

150mm wide 20m rolls

300mm wide 10m rolls

ECJ Kicker 12m roll | EAJ 3m roll

AQUASTOP Heater Blades

110v and 220v, 350w blades are available.

HEALTH & SAFETY

Hot welding of PVC waterstop 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.

More from starke construction chemicals A wide range of construction chemical products are manufactured by STARKE which include:

- > **Concrete admixtures.**
- > **Surface treatments**
- > **Grouts and anchors.**
- > **Concrete repair.**
- > **Flooring Coating**
- > **Sealants.**
- > **Waterproofing.**
- > **Adhesives.**



Important note :

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