

PVC WATERSTOP 112

DOLPHIN PVC Waterstop112 is a high grade PVC extrusion formulated to meet the highest performance specifications. **DOLPHIN PVC Waterstop 112** are supplied as straight lengths along with factory fabricated junction pieces to simplify layouts and site jointing.

TYPICAL USES

DOLPHIN PVC Waterstop 112 provides a continuous network solution for sealing construction and movement joints in cast, in-situ concrete structures.

TYPICAL USES INCLUDE:

Water retaining

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

Water excluding

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

TECHNICAL SPECIFICATION

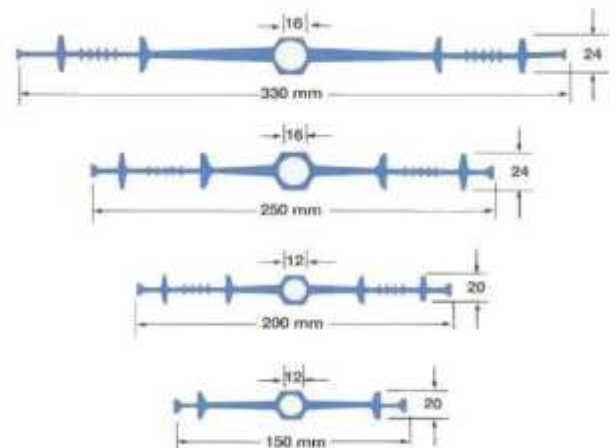
PROPERTY	TEST METHOD	VALUE
Hydrostatic of Water	-	Upto 100 mm 10 Bar
Form	-	Extruded PVC profiles
Colour	-	Blue
Tensile strength min.	ISO 527 ASTM D 638	15 N /mm ²
Joint movement	-	Up to 12mm
Specific Gravity	ASTM D 792	1.38
Elongation at break min.	ISO 527 ASTM D638	300%
Shore A hardness	ISO 868 ASTM D2240	80-90°
Service Temperature	-	-50 -80°C

All values are subject to 5-10 % tolerance

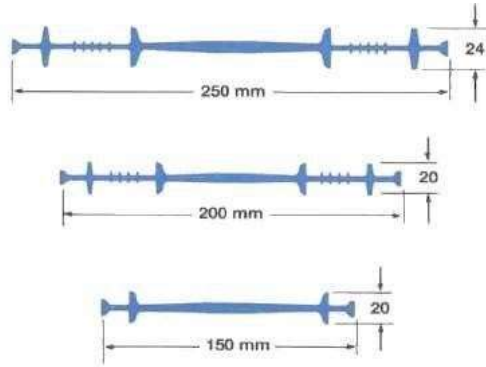
DOLPHIN PVC WATERSTOP 112

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.



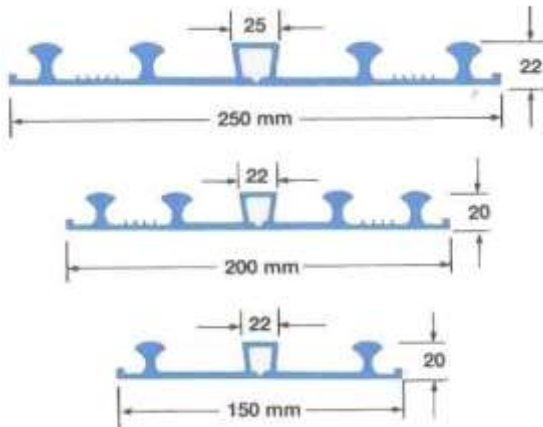
Internal Construction Joint (ICJ) plain web sections are used in construction joints. Grout excluding fins are incorporated to give a positive area to locate formwork and control grouts loss.



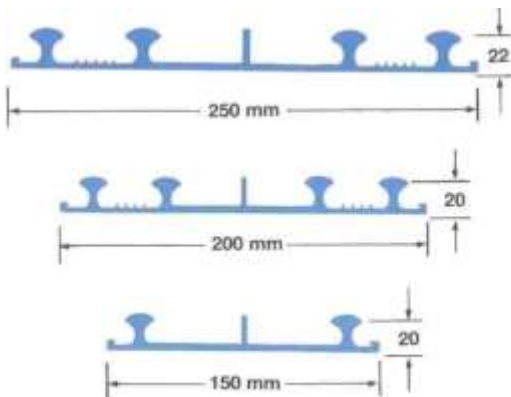
IEJ and **ICJ** sections incorporate an eyeleted reinforced edge flange, which enables the profile to be securely wired to adjacent rebar.

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.



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.

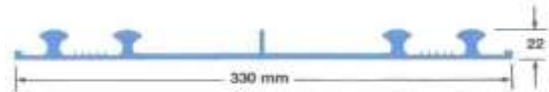


EEJ and **ECJ** sections incorporate a nailing flange with a reinforced edge to provide secure fixing that will resist tearing.

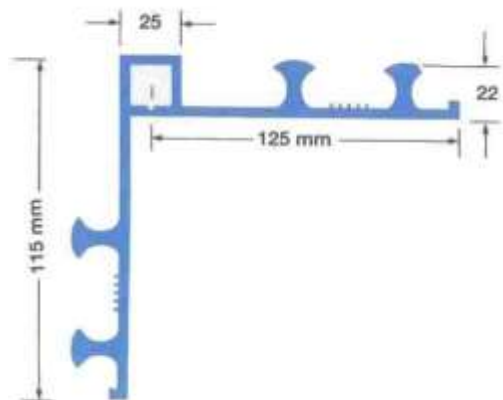
NOTE:

150mm wide sections and **extra heavy duty (XHD)** profiles are available if required. Please contact SHERIDAN BLDG MAT 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.

STANDARD JUNCTION PIECES

Factory fabricated junctions are available for all pro files. 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 is carried out utilizing Sheridan trading 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 b25e equal to or greater than the width of the concrete wall or slab.

PACKAGING

SHERIDAN TRADING DOLPHIN PVC WATERSTOP 112

DOLPHIN PVC WATERSTOP 112 (ICJ, ECJ, IEJ, EEJ)

Width	Thickness	Length / Roll
150	3mm	10 meter
200	3mm	10 meter
250	3mm	10 meter
150	4mm	15 meter
200	4mm	15 meter
250	4mm	15 meter
200	3mm	25meter
250	3mm	25meter

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 **DOLPHIN PVC Waterstop 112** 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