QUICSEAL 703

PVC Waterstop

Easy on site jointing

Factory jointed intersection pieces available

Full range of profiles to suite all requirements

Pre-punched eyelets for easy and secure tying to reinforcement

MANAGEMENT SYSTEM CERTIFICATION
DNV
ISO 9001 • ISO 14001

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QUICSEAL 703

PVC Waterstop

DESCRIPTION

QUICSEAL 703 PVC Waterstops are extruded from a high grade PVC compound which is compliant to BS2571. It is designed to provide excellent durability, high tensile strength and elongation performance characteristics to prevent water penetration for both water retaining and water excluding structures. QUICSEAL 703 is available in straight lengths or as a factory-jointed intersection to minimise on-site jointing.

TYPICAL USES

QUICSEAL 703 PVC Waterstops are ideal for use as a centrally or externally placed water barrier in movement and construction joints in cast-in-situ concrete to provide lasting watertight seal in above or below grades construction for the following types of structures.

Water retaining structures

- Dams and spillways
- Reservoirs, water treatment and sewage treatment plants
- Swimming pools
- Water tanks, bund walls

Water excluding structures

- Tunnels
- Basements, underground carparks
- Retaining walls
- Suspended slabs, below ground slabs, roof slabs

SELECTION OF WATERSTOP SIZE

The appropriate waterstop width depends upon the concrete thickness. The width of waterstop should not be greater than the thickness of the concrete.

INSTALLATION INSTRUCTIONS

Waterstops must be installed so that they are securely held in their position while the concrete is being placed. Concrete must be fully compacted around the waterstops to ensure that no voids or porous area remain.

The brass eyelets used for securing the waterstops are located outside the edge bulbs so as not to create water paths around the profile.

CENTRALLY PLACED WATERSTOPS

Ensure that the waterstops are installed such that they are held securely in their correct position while the concrete is being placed. Concrete must fully compacted around waterstops to eliminate voids or honeycombing. Sufficient clearance must be provided in locations where reinforcement is present to allow proper compaction.

EXTERNALLY PLACED WATERSTOPS

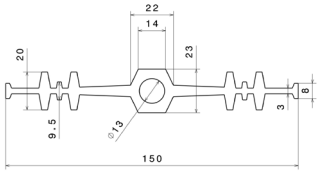
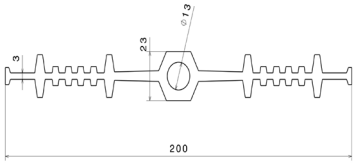
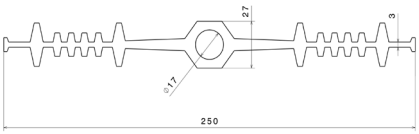
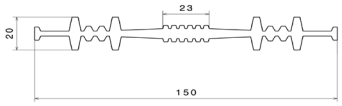
QUICSEAL externally placed profiles requires no fixing when placed on horizontal surfaces (ie. ground slabs where waterstop is supported by lean concrete). Lay the waterstop centrally over the location of the joint.

On vertical surface, fix QUICSEAL 703 onto the formwork vertically by nailing the waterstop to the formwork and allow the nail to protrude such that the waterstop will be held in position securely by the cured concrete when the formwork is struck.

SITE JOINTING INSTRUCTIONS

Jointing of QUICSEAL 703 PVC Waterstops Heat Welding Equipment. The ends to be joined are cut square and held in alignment. The ends are then pressed to both side of a special heated, until an even, molten bead of PVC appears around the section. The heated blade is then removed and the molten ends pressed fully together. The PVC cools to form a strong fusion welded joint.

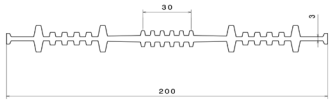
QUICSEAL 703 PVC Waterstop Profiles

DESCRIPTION PROFILE DIMENSIONS (W x L)
Centrally Placed Types
CPE 150 (150 mm x 20 mtr roll) 
CPE 200 (200 mm x 20 mtr roll) 
CPE 250 (250 mm x 20 mtr roll) 
Centrally Placed Types
CP 150 (150 mm x 20 mtr roll) 

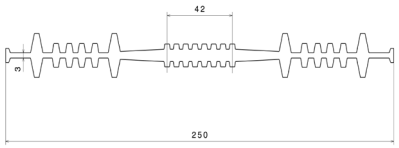
QUICSEAL 703

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CP 200 (200 mm x 20 mtr roll)

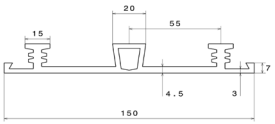


CP 250 (250 mm x 20 mtr roll)

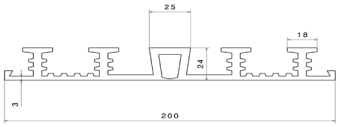


Externally Placed Types

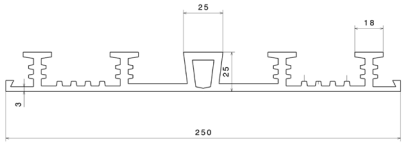
EPE 150 (150 mm x 20 mtr roll)



EPE 200 (200 mm x 20 mtr roll)

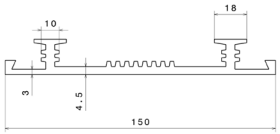


EPE 250 (250 mm x 20 mtr roll)

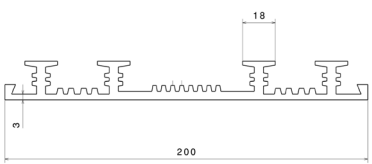


Externally Placed Types

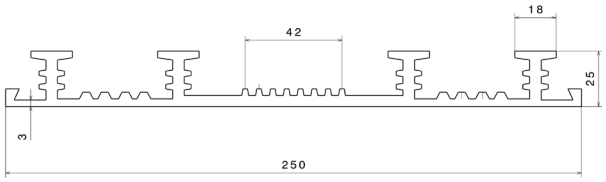
EP 150 (150 mm x 20 mtr roll)



EP 200 (200 mm x 20 mtr roll)

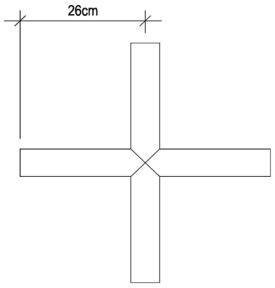


EP 250 (250 mm x 20 mtr roll)

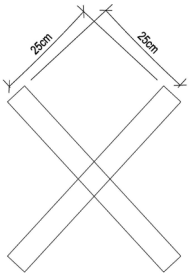


Intersections

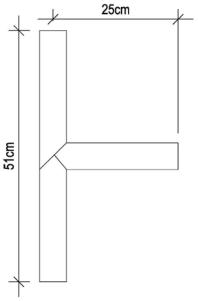
Flat X Joint



Vertical X Joint



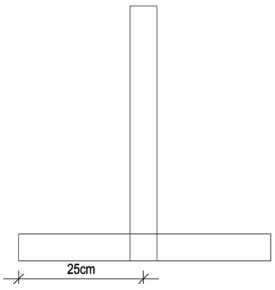
Flat T Joint



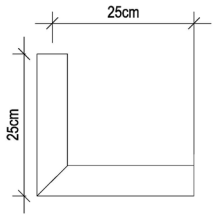
QUICSEAL 703

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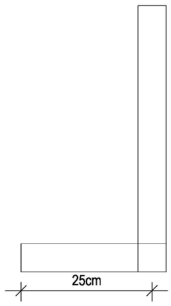
Vertical T Joint



Flat L Joint



Vertical L Joint



TECHNICAL DATA

Tensile Strength (MPa)	>13
Elongation at Break (%)	> 300
Soluble Matter Loss at 23°C (%)	0.21
Water Absorption at 23°C (%)	0.44
Shore A Hardness	> 85 ± 5

STORAGE

QUICSEAL 703 PVC Waterstops should be stored in a covered condition in its original, unopened packaging. The product has a shelf life of 60 months.

HEALTH & SAFETY

Hot weld site jointing of PVC waterstop results in the release of hydrogen chloride and vapour. Thus, in confined places where ventilation is poor, use of suitable respirator or forced ventilation is recommended.

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