Waterproofing Products - Waterstops

ECA EXTERNAL PVC

Waterstop system for passive protection of movement joints and construction joints in





Applications

ECA External PVC is a passive external PVC waterstop system manufactured in a range of sizes for protecting joints in concrete basements and substructures. ECA External PVC external flexible waterstop systems have a proven design using four T shaped ribs for solid embedment in in-situ concrete which create a valve action to seal the water path, and are suitable for horizontal and vertical applications. Being cast into the outside water face prevents the ingress of moisture and protects the outer layer of reinforcement from corrosion. Location on the outside face of a concrete member also promotes better compaction of the concrete around the ribs of

ECA External PVC since it is free from reinforcement congestion and the weight of wet concrete makes consolidation easier. ECA External PVC can be used for nonsuspended slabs in water retaining structures such as reservoirs, swimming pools and sewage treatment tanks. A continuous waterstop network should be used at all joints to prevent the ingress of moisture using only factory produced fabrications for changes of direction or profile with site jointing limited to simple butt welds.

Limitations

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ECA External PVC is not suitable for walls of water retaining structures which should always have ECA External PVC waterstops cast centrally in the concrete wall to resist the internal water pressure.

Installation

The waterstop network should be loose laid direct on to the blinding concrete with timber stop-ends or securely fixed into the vertical shutters using mechanical fixings staggered at

500 mm cross centres. A fully continuous waterstop network must be formed using only factory made junctions with site joints limited to simple butt welds of similar section.

Advantages

- Proven design the original external waterstop used extensively in water excluding and water retaining structures.
- Flexible will accommodate movement during construction and service life.
- External seal protects reinforcement from water ingress.
- Pliable remains flexible at low temperatures.
- Four ribs provide extended and tortuous water path.
- Stabilising/Nailing flange allows fastening without damaging waterstop and prevents displacement or folding of ribs during concreting.
- Pre formed junction pieces factory made range of standard junction pieces.

Health and Safety

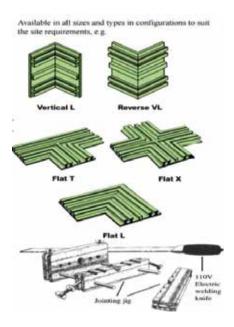
ECA External PVC is completely non-hazardous and non-inflammable, but however care should be taken while cutting and welding the joints

Performance

Property	Values
Tensile Strength	≥14 N/mm²
Elongation at break	250%
BS Softness	42
Specific Gravity	1.42
Compounds tested in accordance with BS 2782 and are typical values	

All declared values shown in this data sheet are based on test determine under laboratory conditions and with the products sample taken direct ly from stock in its original packing without any alteration or modifications of its component parts.

NBS Specification Clause Refer to Clause E40 310. Factory made junctions and fabrications



Technical Service

The Technical Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

Contact Information

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