EXTERSEAL

EXTERNALLY-PLACED PVC WATERSTOP

DESCRIPTION

EXTERSEAL is composed of high grade flexible polyvinyl chloride (PVC) and incorporates solid wedge-shaped lugs to ensure maximum anchoring within concrete.

APPLICATION

Intended as a primary seal for construction and lift joints in structures exposed to minor hydrostatic pressure and movement. Peripherally placed across joints on the water contact surfaces of concrete wall or floor slabs to form a durable barrier to ingress of water. When applied with minimum distortion, a water seal is formed and protects the reinforcement in applications such as below floor slabs, outside basement walls and where movement or water pressure is not excessive.

TYPICAL PROPERTIES	
Tensile Strength	**14 mPa**
Elongation at Break	**300%**
Tear Strength	**40 N/m**
Specific Gravity	**1.3**
Water absorption	**Nil**
Water soluble matter	**Nil**

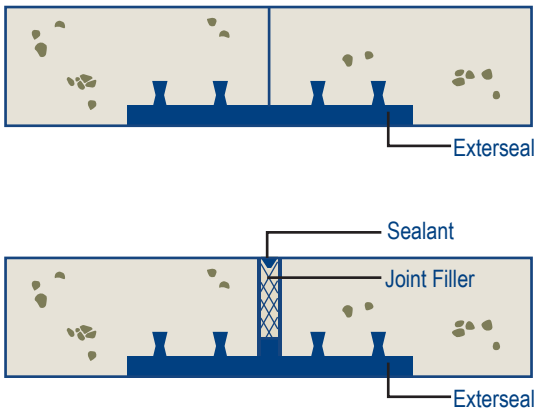
Compound tested in accordance with BS 2571

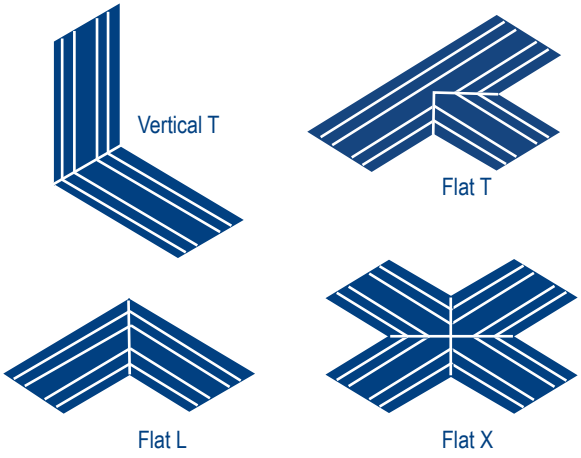
SPECIFICATION

All externally placed joints to be made water-tight by the use of **EXTERSEAL** waterstop.

STORAGE

A shell-life of two (2) years can be expected if stored out of direct sunlight whenever possible.





JUNCTION PIECES

Factory made intersections are available for 4-way and 3-way joints. Oblique angles, 5-way intersections and transition pieces are available to order. Chemind provides jointing jigs and blades (electric of manual) to enable simple heat welded butt joints to be carried out on site. Site demonstrations are available if required.

TYPE
WATER STOP

ADVANTAGES
HIGH ELONGATION

COMPONENT
1
PART

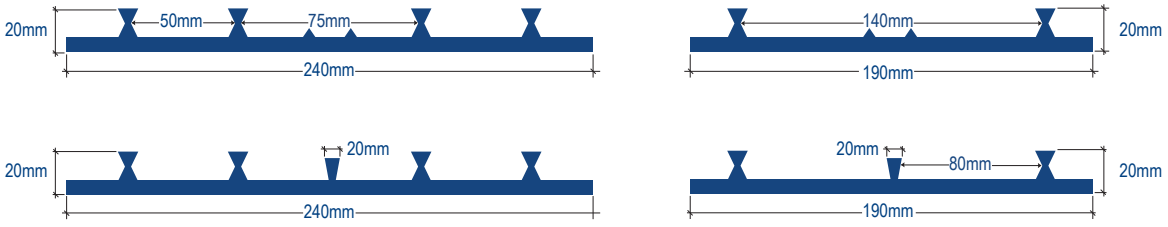
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SITE-JOINTING

The process of heat fusion by welding is used to produce butt joints between lengths of the **EXTERSEAL** waterstop or preformed junction pieces. A portable jig has been especially designed and provided for this purpose. It allows the two ends of the waterstop to be precisely aligned and welded with an electrically or flame heated blade. The heated blade is inserted between the two ends of the waterstop and the material is melted on contact. The blade is removed and the two ends of the waterstop are pushed together in the jib where they achieve fusion.

DESIGN

Construction joints:	**EXTERSEAL** waterstop is available in 190 mm or 240 mm wide variations depending on the thickness of the slab or wall to be casted. 320 mm wide **EXTERSEAL** waterstop is used in conjunction with the above to eliminate seepage issues at kickers.
Expansion joints:	240 mm wide **EXTERSEAL** waterstop is for use in expansion joints or settlement joints where deflection to limit of 12 mm is anticipated.



INSTALLATION

WALLS

In the case of lift joints in walls or retaining walls, **EXTERSEAL** waterstop should be fixed in the correct position on to the formwork by nailing through the flange provided. This is the strip located along the edge of each profile. Care must be taken to ensure nails do not puncture the main web located between the lugs.

FLOORS

EXTERSEAL waterstop should be installed on the working slab along the line of the joint.

**Care must be taken to correctly locate the waterstop to ensure it does not move during concrete placement.*

Apply a suitable adhesive to ensure the position of the waterstop is maintained.

Legal Notes:

'Statements made in this bulletin are for the assistance of our customers. They are based on our experience and judgment but must not be regarded as amounting to a legal warranty or as involving any liability on our part. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of this product must test the product's suitability for the intended application and purpose. CHEMIND reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. Users may always refer to the most recent issue of our Product Data Sheet for the products concerned, copies of which will be supplied upon request.'

Made In Malaysia

SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard. SIRIM certification is available for selected products upon request, subject to applicable testing and certification requirements.

CHEMIND

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SIRIM

ASTM INTERNATIONAL Standards Worldwide

CHEMIND AUSTRALIAN TECHNOLOGY

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