CENTRESEAL

CENTRALLY-PLACED PVC WATERSTOP

DESCRIPTION

CENTRESEAL polyvinyl-chloride (PVC) waterstops provide the architect, civil engineer and building contractor with a modern adaptation of a well-tried method or preventing the seepage of water through floor-to-wall joints, expansion joints and construction joints either vertical or horizontal. Having the flexibility, they are especially recommended for joints where movement is expected. Strict quality control is observed at all stages of manufacture and no salvage material is at any time used in the manufacture of **CENTRESEAL** waterstops.

APPLICATION

PVC is more resistant than rubber to oxidation, effects of ultra-violet light and the corrosiveness of petroleum products. **CENTRESEAL** waterstops are suitable for application in water retaining structures where low hydrostatic heads are involved. Typical applications are joints in swimming pools, basements, reservoirs, dams, silos and other subterranean or water-retaining concrete structures.

TYPICAL PROPERTIES	
Tensile Strength	13 mPa
Elongation at Break	160%
BS Softness	45
Specific Gravity	1.3
Water absorption	Nil
Water soluble matter	Nil

INSTALLATION

The waterstop may be installed in horizontal or vertical joints in wall and floor joints by use of split shuttering. It should be placed with the flat side towards the working surface at the centre of the joint. It is essential that the waterstop be held securely during concreting and particular attention should be paid to the placing and compacting the concrete around the waterstop to ensure it is accurately placed in dense concrete. It is best to hold **CENTRESEAL** between two strips of shuttering when it is used in horizontal position. In a vertical position, it is best supported by wedging the part to be left exposed between small pieces of wood. **No nails should be used.** Waterstops should not be generally located in a joggle but off-set on the side nearest the water-face.

SITE-JOINTING

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

CONSTRUCTION JOINTS

According to the thickness of the wall or slab to be casted and the size of aggregate to be used, a flat dumbbell section of **CENTRESEAL** waterstops should be incorporated.

The appropriate width of **CENTRESEAL** to be used shall be at least 80% of the thickness of the slab or wall to be casted.

EXPANSION JOINTS

The centre-bulb sections of **CENTRESEAL** are especially designed for use in joints of which are to take movement in expansion and contraction; or to absorb a limited degree of deflection.

The provision of **CENTRESEAL** shall be at least the thickness of the slab or walls.

TYPE

WATER STOP

ADVANTAGES

SITE JOINTING

HIGH ELONGATION

COMPONENT

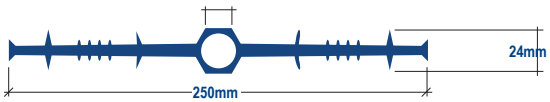
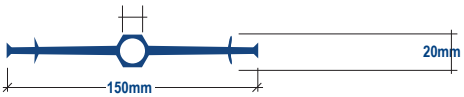
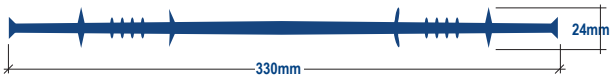
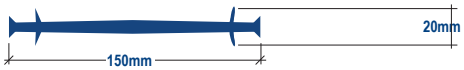
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PART

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SIZE AVAILABILITY

Centre Bulb Internal ø (max)	Web Thickness (max)	End Rib Thickness (max)	Flat Dumbell	
24mm	5mm	24mm	250mm	
24mm	5mm	24mm	200mm	
20mm	5mm	20mm	150mm*	
20mm	5mm	20mm	100mm (Centre Bulb)*	
N/A	5mm	24mm	330mm	
N/A	5mm	20mm	250mm	
N/A	5mm	20mm	200mm	
N/A	5mm	20mm	150mm	

**Custom made to order only*

SPECIFICATION

CENTRESEAL waterstops of different size and dimensions should be specified and incorporated in all construction and expansion joints. Butt jointing shall only be carried out on-site, using the manufacturer's recommended methods.

STORAGE

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

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.'

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.

Made In Malaysia

CHEMIND

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SIRIM

ASTM INTERNATIONAL Standards Worldwide

CHEMIND AUSTRALIAN TECHNOLOGY

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