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a.b.e.® Construction Chemicals

dura.® joint rubber waterstops

WATERSTOPS FOR JOINTS WHERE HIGH MOVEMENT AND/OR HIGH HYDROSTATIC HEAD OF WATER IS ANTICIPATED

DESCRIPTION

dura.® joint rubber waterstops are produced in straight lengths and factory moulded intersections from natural rubber to give a product that has a very long life span whilst remaining flexible to accommodate high movements.

USES

- In joints where the expected movement exceeds 10 mm.
- As a grout check in concrete, double curvature, arch dams.
- In areas where the head of water exceeds 10 m.

ADVANTAGES

- Natural product that has a long life span.
- Rubber product that has a 'memory' – will return to its natural profile after long periods of extension or deflection and/or rapid repeated movement.
- Can withstand a 50 m head of water.
- Available in a range of profiles.

PROFILE RANGE

- Center bulb profiles for expansion joints.
- Dumbell profiles for contraction joints with no shear movement.

See table for dimensions.

PHYSICAL PROPERTIES				
Form	Black rubber			
Hydrostatic head	Up to 50 m			
Joint movement capability	Up to 50 mm with center bulb			
Tensile strength	> 20 MPa			
Elongation at break	> 500%			
Hardness	62 - 72 IRHD (International Rubber Hardness Degrees)			
Rubber water-stop	Type	Section width in mm	Minimum radius	
			On flat m	On edge mm
Center bulb	K	355	8.75	230
	A	230	8.00	150
	C	150	7.00	150
Plain web	L	230	8.00	150
	B	150	7.00	150

APPLICATION

dura.® joint rubber waterstop with correctly welded intersections are positioned as per the engineer's drawing and mechanically fixed in place to shutters and reinforcing to prevent movement when casting concrete. The waterstops are encapsulated by the concrete and to ensure effectiveness of the waterstop it is important that the fresh concrete be thoroughly vibrated to release any air.

Vulcanising instructions

See Methodology: Cold Bonding Rubber.

MODEL SPECIFICATIONS

dura.® joint rubber center bulb waterstop

High performance waterstops for expansion joints.

The waterstop will be **dura.® joint** rubber center bulb waterstop, an extruded high-grade rubber applied in accordance with the recommendations of **a.b.e.® Construction Chemicals** Limited. The rubber waterstop will have a tensile strength of not less than 20 MPa and elongation at break of not less than 500%. The rubber waterstop will comply with CKS 388 of 1973.

dura.® joint rubber dumbell waterstop

High performance waterstops for contraction joints with no shear movement.

The waterstop will be **dura.® joint** rubber dumbell waterstop, an extruded high-grade rubber applied in accordance with the recommendations of **a.b.e.® Construction Chemicals** Limited. The rubber waterstop will have a tensile strength of not less than 20 MPa and elongation at break of not less than 500%. The rubber waterstop will comply with CKS 388 of 1973.

STORAGE

Should be stored protected from extreme weather conditions.

HEALTH & SAFETY

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The safety data sheet is available from your local **a.b.e.® Construction Chemicals** sales representative.

IMPORTANT NOTE

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst **a.b.e.® Construction Chemicals** endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot – because **a.b.e.®** has no direct or continuous control over where and how **a.b.e.®** products are applied – accept any liability either directly or indirectly arising from the use of **a.b.e.®** products, whether or not in accordance with any advice, specification, recommendation or information given by the company.

FURTHER INFORMATION

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. **a.b.e.® Construction Chemicals** has a wealth of technical and practical experience built up over years in the company's pursuit of excellence in building and construction technology.

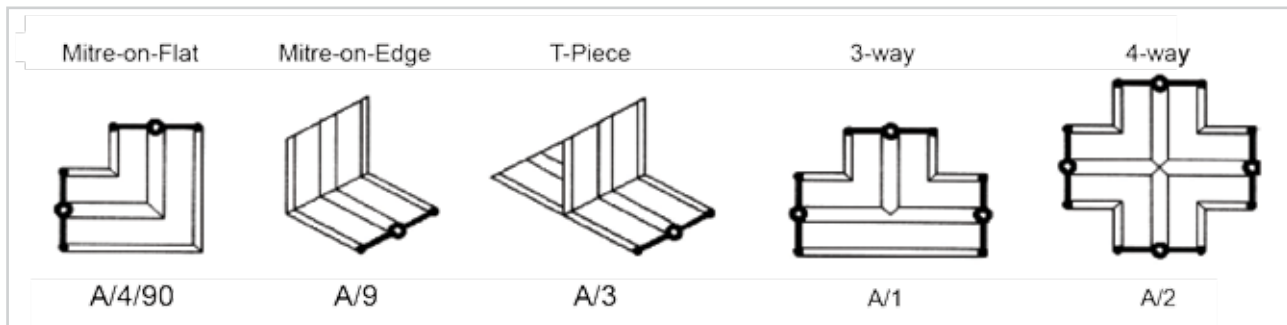


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STANDARD INTERSECTIONS**STANDARD PROFILES**