

Ozone PVC Waterstops

Flexible PVC Waterstops for construction joints

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| Description | Ozone PVC Waterstops are high grade PVC extrusion formulated to meet the highest performance specifications. Ozone PVC Waterstops are supplied as straight lengths along with factory fabricated junction pieces to simplify layouts and site jointing. | | | | | | | | | | | | | | | | |
| Uses | <p>Embedded in concrete, across and/or along the joint, waterstops form a watertight diaphragm that prevents the passage of fluid through the joint.</p> <p>Water retaining Tanks, reservoirs and sewerage plants Swimming pools Elevated water towers Oil storage tank bond walls Culverts, canals and dams</p> <p>Water excluding Basements Underground car parks Buried storage tanks Retaining walls Bridge abutments Tunnels and subways</p> | | | | | | | | | | | | | | | | |
| Advantages | <ul style="list-style-type: none">• Unique design• Full range of profiles• Full range of factory fabricated junctions• Continuous 4 valve network• Reinforced edge flange with brass eyelets on internal sections for secure fixing• Easy jointing system• Approved for use in contact with potable water | | | | | | | | | | | | | | | | |
| Standards compliance | Complies with US Corps of Engineers Specification CRD-C-572 and Bs2571 Test method BS2782:320A ASTM D-412 & ASTM D-638 | | | | | | | | | | | | | | | | |
| Properties | <table><tr><td>Density</td><td>1.45 ± 0.15 kg/l</td></tr><tr><td>Chemical Base</td><td>Polyvinyl Chloride</td></tr><tr><td>Service Temperature</td><td>- 35°C to + 55°C</td></tr><tr><td>Tensile Strength</td><td>≥ 10 N/mm² (DIN 53455) ≥ 12.17 N/mm² (CRD-C 573, ASTM D412) ≥ 11 N/mm² (BS 2782 M320A)</td></tr><tr><td>Tear Strength</td><td>≥ 12 N/mm² (DIN 53507 A)</td></tr><tr><td>Shore A Hardness</td><td>90 ± 5 (DIN 53505)</td></tr><tr><td>Elongation at Break</td><td>> 300 % (DIN 53455) > 300 % (CRD-C 573, ASTM D412) > 300 % (BS 2782 M320A)</td></tr><tr><td>Chemical Resistance: Temporarily: Alkali Resistance</td><td>Water, seawater, sewage, road salt solutions. Diluted inorganic alkalis, mineral acids and mineral oils. Passed. CRD-C 572-65</td></tr></table> | Density | 1.45 ± 0.15 kg/l | Chemical Base | Polyvinyl Chloride | Service Temperature | - 35°C to + 55°C | Tensile Strength | ≥ 10 N/mm ² (DIN 53455) ≥ 12.17 N/mm ² (CRD-C 573, ASTM D412) ≥ 11 N/mm ² (BS 2782 M320A) | Tear Strength | ≥ 12 N/mm ² (DIN 53507 A) | Shore A Hardness | 90 ± 5 (DIN 53505) | Elongation at Break | > 300 % (DIN 53455) > 300 % (CRD-C 573, ASTM D412) > 300 % (BS 2782 M320A) | Chemical Resistance: Temporarily: Alkali Resistance | Water, seawater, sewage, road salt solutions. Diluted inorganic alkalis, mineral acids and mineral oils. Passed. CRD-C 572-65 |
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| Packaging | 100 Rft Roll | | | | | | | | | | | | | | | | |
| Storage | Store in dry and cool place below 35°C. Protect from direct sunlight. | | | | | | | | | | | | | | | | |
| Instruction for use | <p>Welding Temperature ~ 200°C.</p> <p>Selection The selection of a suitable Ozone PVC Waterstops is governed by the type of joint, concrete thickness, grade of concrete, reinforcement position, expected movement (expansion/shear) as well as water head to which it is to be exposed.</p> <p>General Guide lines: Experience has shown that application of a few simple rules will ensure a good result.</p> | | | | | | | | | | | | | | | | |

satisfactory result:

The overall width of the Ozone PVC Waterstops should be at little less or equal to the thickness of the concrete slab into which it is placed.

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Installation/Fixation:

Centrally Placed Ozone PVC Waterstops:

Installation in the centre of the concrete structures. Easy anchoring of Ozone, Ozone PVC Waterstopps to reinforcement with special fixing clips (5 pieces per m).Surface Ozone PVC Waterstops Installation on the surface of the formwork or on the surface of the base/drylean concrete.

Joint Finishing Types:

Installation by pushing onto the formwork or onto the joint lining. Proper fixing of the Ozone PVC Waterstops to the reinforcement (or formwork) is essential, as are the careful pouring and compaction of the concrete. Fixing clips for internally placed Ozone PVC Waterstops are available.

Welding:

Ozone PVC Waterstops are made from virgin thermoplastic PVC and can therefore be welded easily. The ends are secured in a welding jig (available for each type) and heated with suitable welding equipment (also available), until an even, molten bead of PVC appears. The welding equipment is then removed and the molten ends pressed together firmly.

Junction Pieces:

Junction pieces can easily be manufactured on site. However, a wide range of standardized, factory made junction pieces, are available. All having a 30 cm free wing allowing easy butt-welding at site. For non standard junction pieces drawings must be provided, giving exact details required.

Precautions & Limitations

Welding should take place in ventilated area or while wearing an oxygn mask.

WARRANTY: Ozone products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale. Ozone makes no warranties, implied or otherwise, as to the merchantability or fitness for ordinary or particular purposes of its products and excludes the same. If any Ozone product fails to conform with this warranty, Ozone will replace the product at no cost to Buyer. Replacement of any product shall be the sole and exclusive remedy available and buyer shall have no claim for incidental or consequential damages. Any warranty claim must be made period from the date of the claimed breach. Ozone does not authorize anyone on its behalf to make any written or oral statements which in any way alter Ozone's installation information or instructions in its product literature or on its packaging labels. The user of the Ozone products must test the products for suitability for the intended application and purpose before proceeding with the full application of the products.