



13.01 XPERT WATER STOPPER

Flexible PVC Water Stops for Construction Joints

PRODUCT DESCRIPTION

XPERT Water Stopper are high grade PVC extrusion formulated to meet the highest performance specifications. XPERT Water Stopper are supplied as straight lengths along with factory fabricated junction pieces to simply layouts and site jointing.

USES

Embedded in concrete, across and/or along the joint, XPERT Water Stopper form a watertight diaphragm that prevents the passage of fluid through the joint.

- **Water Retaining:** Tanks, reservoirs and sewerage plants, swimming pools, Elevated water towers, Oil storage tank bond walls, Culverts, Canals and dams.
- **Water Excluding:** Basements, Underground car parks, buried storage tanks, Retaining walls, Tunnels and subways.

ADVANTAGES

- 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.

STANDARD COMPLIANCE

Complies with US Corps of Engineers specification CRD-C-572 and BS 2571 test method BS 2782:320A ASTM D0412 & ASTM D-638.

PAKAGING

100 Rft Roll

STOARGE

Store in dry and cool place below 35°C. Protect from direct sunlight.

TECHNICAL DATA

CATEGORY	PARAMETERS
Density	1.45 + 0.15 kg/l
Chemical Base	Polyvinyl Chloride
Service Temperatures	-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 (BS2782 M320A)
Tear Strength	≥ 12 N/mm ² (DIN 53507A)
Shore Hardness A	90 ± 5 (DIN 53505)
Elongation at Break	>300% (DIN 53455) >300% (CRD-C 573, ASTM D412) >300% (BS 2782 M320A)
Chemical Resistance	Water, seawater, sewage, road salt solution.
Temporarily	Diluted inorganic alkalis, Mineral acids and mineral oils.
Alkali Resistance	Passed. CRD-C 572-65

INSTRUCTION FOR USE

Welding temperature: Approx. 200°C

SELECTION

The selection of a suitable XPERT Water Stopper 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.

INSTALLATION / FIXATION

Centrally placed XPERT Water Stopper:
Installation in the centre of the concrete



Structures. Easy anchoring of XPERT Water Stopper to reinforcement with special clips (5 pieces per m).

Surface XPERT Water Stopper: Installation on the surface of the formwork or on the surface of the base/dry lean concrete.

PRECAUTIONS & LIMITATIONS

Welding should take place in ventilated area or while wearing and oxygen mask.

STORAGE

Store pails in cool, dry area away from sunlight and sources of heat. Shelf life is one year from date of manufacture.

WARRANTY

This product is warranted to be free of defects in material and workmanship, and conform to XPERT Construction Chemicals ("XPRT") quality control standards. All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty or guaranty of any kind, expressed or implied including but not limited to, an implied warranty of merchantability or an implied warranty of fitness for a particular purpose.

Satisfactory results depend upon many factors beyond XPERT's control. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk, loss, damage, expense and liability resulting from his or her direct use, indirect use or consequential to their use of the product.

- XPERT shall not be liable to the buyer or any third person for any injury, loss or damage directly or indirectly resulting from use or inability to use the product.
- XPERT's sole responsibility shall be to replace that portion of the product, which proves to be defective.
- Any warranty claim must be made within six (6) months from the date of the claimed breach.
- This limited warranty applies only if the product was properly installed and used according to all instructions.
- This limited warranty applies only if the was properly stored prior to use.