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# X-Stop PVC Waterstops

## Centrally and externally placed PVC waterstops

### Product Description

X-Stop PVC Waterstops are manufactured from a high quality virgin PVC compound which has been formulated to give excellent flexibility and durability. They are extruded in a range of profiles.

### Advantages

- Proven design
- 4 'Diamond' bulbs act in compression and extension
- Deep rib tortuous path provides better bond to concrete and watertightness.
- Wide expansion bulb enables joint fillers to be fully supported.
- Flexible to accommodate movement
- Reinforced eyelet edge flanges for positive fixing
- Simple job site splicing
- Full range of intersection pieces
- Suitable for use in potable water structures

### Uses

- Reservoirs, water towers and sewage tanks
- Dams, culverts, canals and spillways
- Bunded areas surrounding liquid retaining tanks
- Basements and underground car parks
- Tunnels and subways
- Abutments and retaining walls
- Roof decks and podium areas

### Specification Compliance

Meets the US Corps of Engineers specification CRD-C572-74.
Meets the requirements of BS 6920 for use in contact with potable water.

### Laboratory Test Data

| Property | Typical Results |
|---|---|
| **Tensile strength (BS 2782)** | >15MPa |
| **Elongation at break (BS 2782)** | >300% |
| **Shore A hardness (ASTM D2240)** | 80 to 90 |
| **Hydrostatic head (IHM)** | Up to 100m |

### Profiles

The profiles listed can also be supplied in 150, 200 and 320mm widths. Heavy duty 10mm thick profiles are available for situations where hydrostatic head will exceed 50m. Factory made junctions and fabrications are available in all sizes and configurations to suit site requirements.

### X-Stop PVC CF250X

Thick web, expansion joint, center fix, 250mm wide. For use in expansion joints at the center of the section, such as walls.

### X-Stop PVC CF250C

Thick web, construction joint, center fix, 250mm wide. For use in construction and contraction joints at the center of the section, such as kickers and day work joints.

### X-Stop PVC RF250X

Thick web, expansion joints, rear fix, 250mm wide. For use in expansion joints at the rear of the section in slabs and walls.

### X-Stop PVC RF250C

Thick web, construction joint, rear fix, 250mm wide. For use in construction and contraction joints at the rear of the section such as slabs and walls.

### Color

Blue

### Packaging

X-Stop PVC Waterstops are supplied in 15m rolls.

## Installation Guidelines

X-Stop PVC Waterstops should be installed by experienced operatives. X-Calibur provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting work. The information below is a summary intended for guidance only.

## Externally Placed (Rear Fix) Waterstop

The waterstop network should be loose laid direct onto the blinding concrete with timber stop ends, or securely fixed into the vertical shutters using mechanical fixings staggered at 500mm centers. A fully continuous waterstop network must be formed using only factory made junctions, with site joints limited to simple butt welds of similar section.

## Internally Placed (Center Fix) Waterstop

Secure the waterstop in place using split forms or other suitable method which will ensure correct positioning and proper embedment of the waterstop into the concrete. Vibrate the concrete around the waterstop to ensure adequate compaction. On wall joints, secure the waterstop to reinforcing steel using tie wire. Provide sufficient number of ties to maintain the waterstop's position during subsequent pours. A fully continuous waterstop network must be formed using only factory made junctions, with site joints limited to simple butt welds of similar section.

Splicing can be accomplished by softening the ends of the PVC waterstop to melting point 200C ± 10C over an indirect heat source. Thermostatically controlled Teflon coated welding irons are recommended. When the plastic begins to melt, place ends together in direct alignment and hold firmly in position until the plastic cools (about 20 seconds).

## Limitations

Do not inhale fumes when splicing.
Do not expose to sunlight for extended periods.

## Health and Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. E-mail taltech@norcrossa.com or call 0860 000 825 for a copy of the MSDS.

## Authorized Technical Specialist

Please note that only TAL X-Calibur Authorized Technical Specialists are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product.

## Datasheet Validity

TAL X-Calibur make modifications to its product datasheets on a continuous basis. to ensure you have the latest version, e–mail taltech@norcrossa.com or call 0860 000 825 to ensure you have the latest version.

## Important Notice

TAL believes the information on this sheet to be correct - but does not guarantee its accuracy or completeness. Conduct your own tests of this product to determine its suitability for intended use. User assumes all risks and liability during testing and use of this product. The only obligation of TAL shall be to replace any of this product proved to be defective due to manufacturing defects. TAL shall not be liable for any injury, loss or damage, direct or inconsequential, relating to the use or inability to use this product. Except as expressly provided above, all products sold and samples furnished without any warranty of merchant ability or any other warranty, express or implied.

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