

## Centrally and externally placed PVC waterstops

### Product Description

TAL 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 BS6920 for use in contact with potable water.

### Labaratory 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.

### TAL PVC CF250X



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

### TAL 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.

### TAL 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.

### TAL 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.



### Colour

Blue

### Packaging

TAL PVC WATERSTOPS are supplied in 15m rolls.

### Installation Guidelines

TAL PVC WATERSTOPS should be installed by experienced operatives. TAL 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 TAL PVC WATERSTOPS to melting point  $200^{\circ}\text{C} \pm 10^{\circ}\text{C}$  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.

