

# ALEX–WATER STOP (PVC)



## PVC Water Stops

### Description

**ALEX-WATERSTOPS** are extruded from a high grade PVC Compound which has been formulated to give excellent flexibility and longevity characteristics. They are available as straight length with V& O shapes.

### Uses

**ALEX-WATERSTOP PVC** is designed to provide sealing system for movement and construction joints in concrete cast in –situ. These joints typically occur in the following types of structure:

- Retaining walls
- Tanks
- Dams
- Culverts
- Swimming pools
- Water towers
- Sewage tanks
- Basement
- Underground car park

### Advantages

- Simple on-site jointing (welding)
- Range of profiles to suit every need
- Non toxic so used in contact with potable water.
- High mechanical properties, resist punching.
- Long life.

### Installation instructions

Water stop must be installed and secured well in their correct position, confirm distance between steel reinforcement and water stop to ensure proper compaction to get compacted concrete surrounded the pvc section.

Insure the vertically of the section by using additional stirrups in the u-shape top & bottom to avoid any movement for the section.

For joint between walls, foundation there is two methods:

1<sup>st</sup>: To erect the PVC section in the foundation (half of the section and the second half to be casted with the wall)

2<sup>nd</sup>: To erect the PVC section completely in the wall by casting half of the section in the same time with foundation ( it means to cast part of the wall in the same time of foundation or ground slab).



## Properties

colour:	Blue,Orange
hydrostatic head:	Up to 10 m
Joint movement:	Up to 10 m
Compound	
typical figures:	To BS 2782 at 25°C
Tensile:	Minimum 14 MN/m <sup>2</sup>
Elongation at break:	Minimum 300%
Hardness:	Shore 'A' 80-90

## Guide to application

### **Design criteria**

Choice of the section PVC depend on the width of the concrete section and recommended use V20 for section equal to 20 cm, and use V24 for section more than 20 cm.

### **Packing:**

ALEX WATERSTOP V20 is 25m

ALEX WATERSTOP V24 is 15m

### **Guarantee:**

All precaution is taken in manufacture of each product to comply with the standard of each material.

The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

### **Technical Service:**

For any technical advice for using the **ALEXCHEM** contact the technical office.