



ULTRA WATER STOPS

FLEXIBLE PVC (THERMOPLASTIC) WATERSTOPS

Description

Flexible PVC (Thermoplastic) Ultra Water stops to seal construction and expansion joints in concrete structures. Various types of Ultra Water stops are available in different sizes depending on their intended use.

Primary Applications

Ultra Water stops are used to seal construction and expansion joints in water retaining structures such as reservoirs, water towers, dams, spillways, canals, swimming pools, sewage tanks etc, as well as to keep water out of concrete structures such as basements, underground car parks, tunnels, subways retaining walls etc.

Properties

Type	Poly vinyl Chloride
Color	Blue/Black
Service temperature	-20°C to 55°C
Tensile strength	14.00 N/m
Density	9.21 KG/Ltr
Specific Gravity	1.37
Modulus of Rigidity	855 Psi at 106°C C 73.65Mpa at 200°C
Full stretch break out Intensity	12.92 Mpa
Elongation	290%
Hardness (shore A)	75 at 25°C
Chemical resistance	it can resist attack of alkali, acid, kerosene oil and ethanol
Welding temperature	200°C
Packing	and 30 meters

Standards Compliance

ULTRA Water stops comply.
BS-2571 - 1963
ASTMD 2440

Technical Support

Ultra Chemical offers a technical support service to end-users and

Contractors, as well as on-site technical assistance.

Application Instructions

Method of Fixing/Joining

Ultra water stops are made from thermoplastic PVC and therefore can be welded by using heating blades while holding in proper clamping jigs. They are installed with the help of wires to the reinforcement by

means of eyelet provided in the edge flanges. Water stops can be placed on shuttering through the eyelet Ultra water stops are easy to cut or connect and can be applied to all points including level joint, vertical joints etc.

Cutting

Ultra waterstops are quite Long and can be cut easily as per requirement with an ordinary sharp knife, saw or other sharp tools.

Melting Method

This method is applied to the connection of straight lines. The time required for the connections is three to four minutes. First, sections of two water stops intended to be connected are pressed against heated iron sheet and when they are melted, the two are combined. After joining, they must be cooled.

Welding Method

This method is applied to all connection works such as T type, Cross Type, L Type and so on. The time required for connection is about fifteen minutes. Welding rod of same material as the Ultra Water stops is heated and melted at hot air gun.

Storage

Shelf life is 1 year unopened packs stored below 35°C in a shaded environment. If stored at high temperature the shelf life will be reduced.

Precautions

Health & Safety

An ultra Water stop contains PVC material. It has a possible risk of flame.

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Storage:

Avoid to place direct to sun light and always store in shady areas.

ISO Certification:

Our production facility at Pakistan is
ISO 9001:2008
ISO 14001:2004
by BUREAU VERITAS
and UKAS Management