



Triton CEMflex VB Plate Waterstop

Product Description

TRITON CEMflex VB Plate Waterstop consists of a galvanized steel plate encapsulated in a special patented coating which reacts with water to provide a watertight joint, for use in all non-movement construction joints in reinforced concrete.

TRITON CEMflex VB Plate Waterstop is supplied in 2m lengths x 100mm or 150mm wide x 1.25 mm thick.

Note: Please check clearances when using with ICF systems to ensure that there is adequate clearance from the surface of the concrete slab following Triton Cemflex VB Plate embedment, to the top edge of the waterbar in conjunction with the lowest point on the plastic web / link within the ICF block.

- Independently tested for use up to 5 bar water pressure.
- A highly effective water-stop, suitable for use in all non-movement construction joints in in-situ reinforced concrete.
- May be installed before the concrete is poured or installed directly into the fresh concrete.
- Requires only 30mm of concrete cover to function correctly.
- Suitable for both Vertical and Horizontal applications.
- No sticky protection tape to be removed from **TRITON CEMflex VB Plate Waterstop** prior to use.
- Offers strength and agility, it is quick and easy to install without welding or special fitting equipment.
- Excellent bond with the concrete.
- The patented coating used on **TRITON CEMflex VB Plate Waterstop** has crystallization properties, which seal any cracks in the concrete.
- May be installed in all weather conditions, it is fully weatherproof.

Specification Tip for Design Professionals:

TRITON CEMflex VB Plate Waterstop may be specified by name or by using the following description:

“TRITON CEMflex VB Plate Waterstop available from Triton Systems is a propriety galvanized steel lace encapsulated in a special patented active coating which reacts with water and moisture to provide a watertight joint, for use in all non-movement construction joints in reinforced concrete”.

How does TRITON CEMflex VB Plate work:

When fresh concrete is placed around **TRITON CEMflex VB Plate Waterstop**, the alkalinity (pH11) of the concrete activates the patented coating producing a chemical reaction, causing the patented coating to soften and expand slightly, improving its osmotic effect. This allows it to penetrate deeply into any cracks in the concrete where it crystallises and seals the concrete.

Once installed, the patented coating on **TRITON CEMflex VB Plate Waterstop** has infinite sealing ability. Should water or moisture come into contact with the coating at any time in the future, the coating will re-activate and repeat the sealing process.

CHARACTERISTICS OF TRITON CEMflex VB Plate

Application Instructions:

TRITON CEMflex VB Plate Waterstop is a strong yet pliable element which may be easily shaped for detailing difficult angles. It may be cut to length, using a sharp cutting tool.

TRITON CEMflex VB Plate Waterstop should be installed ensuring that at least 30mm of the plate is embedded into the first pour of concrete, allowing the remainder of the plate to be covered by the next pour of concrete. The overlapping of the plate must be a minimum of 150mm and it is held together using **TRITON CEMflex Omega Holders**.

TRITON CEMflex VB Plate Waterstop installed prior to the placement of the concrete



Installation of Triton CEMflex VB Plate Waterstop into the fresh the concrete.



Clips

TRITON CEMflex VB Plate Waterstop may be installed by fixing it to the reinforcement using the **TRITON CEMflex Omega Holders** (as per figures 1 & 2) prior to pouring the concrete or alternatively **TRITON CEMflex VB Plate Waterstop** may be installed by pushing the plate into the freshly poured concrete to a depth of at least 30mm, with an overlap of 150mm at the ends and fixed with a **TRITON CEMflex Clip** (as per figures 3 & 4).

Form of delivery:

- **TRITON CEMflex VB Plate Waterstop** is supplied in 2m lengths x 100mm or 150mm wide x 1.25 mm thick.
- **TRITON CEMflex VB Plate Waterstop** is packed in wooden boxes with 50 x 2m lengths per box. Small order quantities can be supplied on request.

Storage:

TRITON CEMflex VB Plate Waterstop should be stored off the ground, in dry conditions which are free from frost.

Additional Information:

For additional information, practical demonstrations or independent test reports results on **TRITON CEMflex VB Plate Waterstop**

Test Results:

- BBA Approved
- MPA – Building Supervisor's General Test Certificate
- iBMB (P-47/258/09)

Independent Tests:

- The Public German Railway Authority – 80 year service life
- Vattenfall – Swedish Water Tightness Test
- TZW – Drinking Water Approval

For further information please contact:

Triton Chemical Manufacturing Co Ltd T/a Triton Systems

Units 3 – 5 Crayford Commercial Centre, Greyhound Way, Crayford, Kent DA1 4HF

Tel: 01322 318830

Fax: 01322 524017

Email:

www.tritonsystems.co.uk

info@tritonsystems.co.uk

Ref: