

CEMflex
THE ACTIVE WATERSTOP

Revolutionary NEW development in waterstop technology

CEMflex VB is a waterstop consisting of a galvanised steel plate covered in a coating which reacts with alkalis to provide a watertight joint for use in all non-movement construction joints in concrete



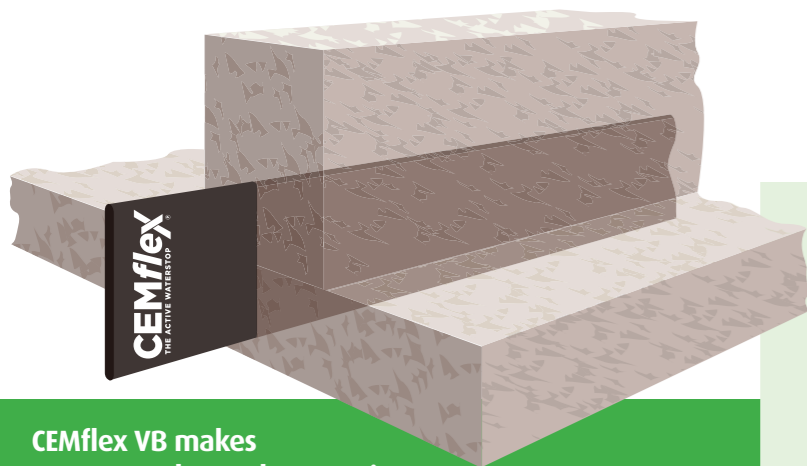
Approvals:

- BBA Certificated
- Drinking Water Approval Reg 31 (4) (b)
- Animal Manure Resistance

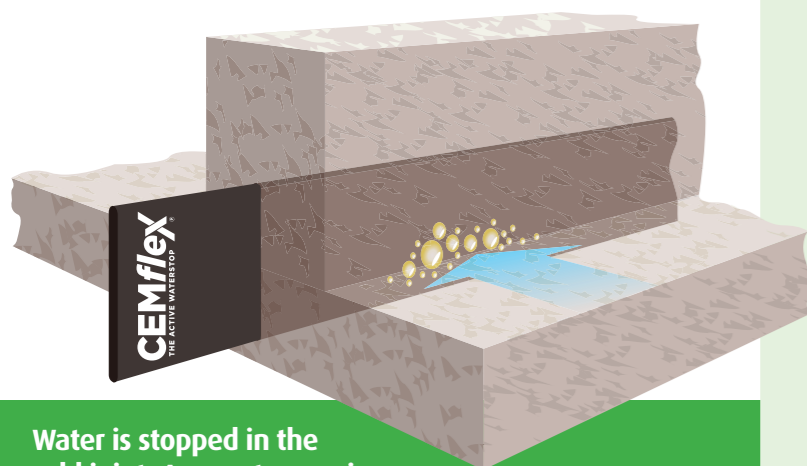


Improving choice, quality and service

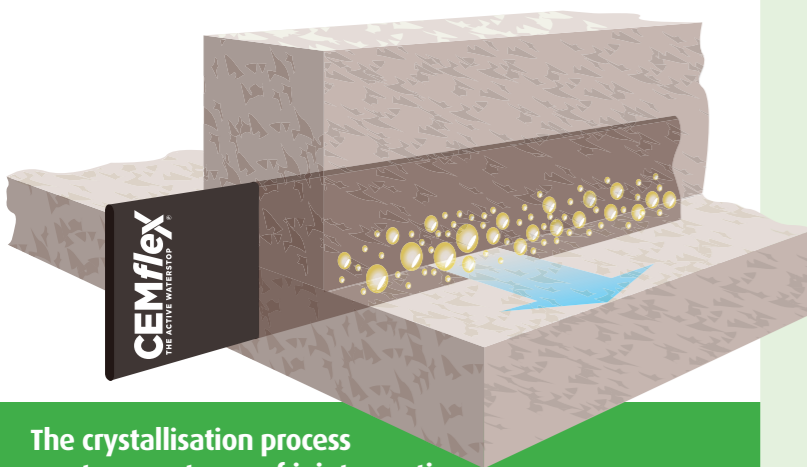
Steel plate waterstop



CEMflex VB makes an extremely good connection to the surrounding concrete. Minimum of 30mm of concrete cover needed either side of the joint



Water is stopped in the cold joint. Any water coming in contact with CEMflex VB will activate the crystallisation process



The crystallisation process creates a waterproof joint, reacting within the joint for the life of the structure

How does it work?

CEMflex VB is an active waterstop that enables concrete to self-heal.

When fresh concrete is placed around the waterstop, the alkalinity of the concrete activates the coating producing a chemical reaction. This causes the coating to soften and penetrate any cracks in the concrete. It then crystallises and seals the concrete.

Once installed the coating has infinite sealing ability, should alkaline water come into contact with the coating at any time, it will reactivate and repeat the sealing process.

How is it used?

Either

- Place directly into fresh concrete

Or

- Fix with clips prior to pouring concrete

CEMflex - why it works best

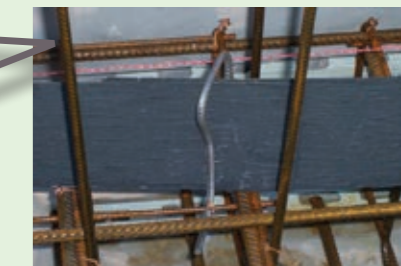
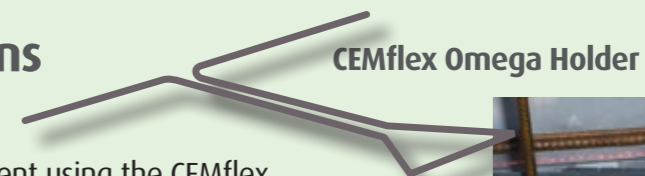
Benefits

- A highly effective waterstop, suitable for use in all non-movement joints in in-situ reinforced concrete
- Watertight joints independently tested at 5 bar pressure
- The coating crystallises and seals any cracks in the concrete
- May be installed in all weather conditions
- Will remain effective as a waterstop for the life of the structure
- May be installed before the concrete is poured or placed into fresh concrete
- Requires only 30mm of concrete cover either side of the joint to function correctly
- Suitable for vertical and horizontal applications
- Product is supplied ready to use
- Offers strength and agility
- Simple and quick to fit (no special tools or skills)

Installation instructions

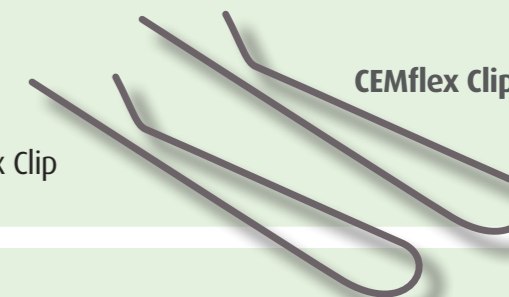
Prior to pour

- Install by fixing to the reinforcement using the CEMflex Omega Holder
- The overlapping of the lengths should be a minimum of 150mm and held at the joint by the Omega Holder
- Ensure at least 30mm of plate is covered by each pour



Post pour

- Install by pushing the plate into freshly poured concrete to an embedment depth of at least 30mm
- Lap the plates with a minimum of 150mm & fix with a CEMflex Clip



Dimensions and packing

Standard size: 150mm high and 1.25mm thick, supplied in 2m lengths
Also available: 100mm high and 1.25mm thick, supplied in 2m lengths

CEMflex VB:

- Is packed in wooden crates, 50 lengths (100m) per crate
- Each length comes with one CEMflex Joint clip



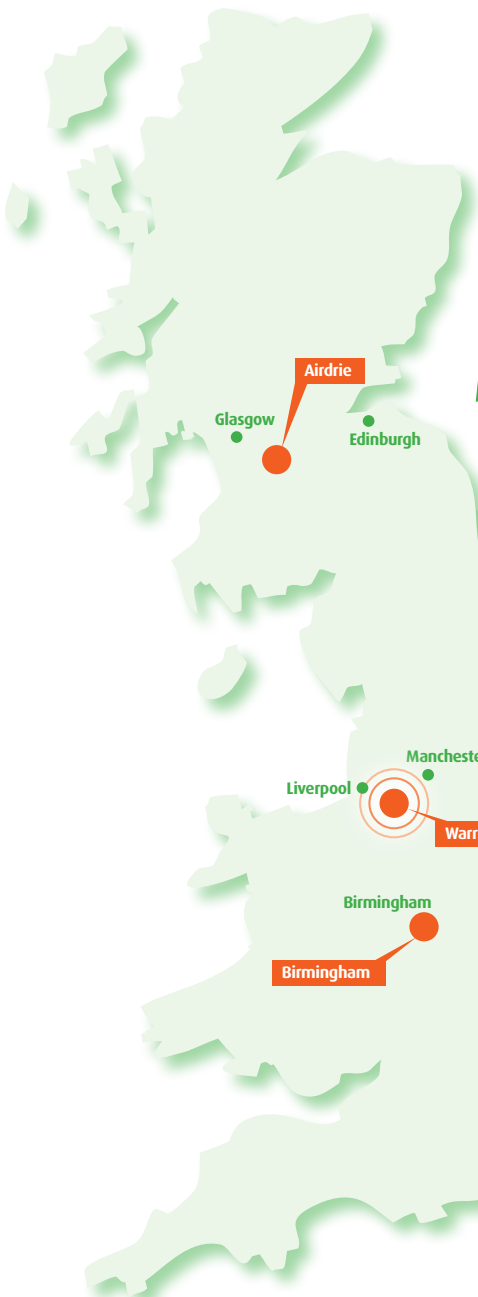
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CEMflex VB Waterstop BBA Certified



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