

## VAL® CEM

### Product Description

VAL CEM Steel Plate Water stop consists of a galvanized steel plate encapsulated in an active coating which reacts with water and moisture when embedded in concrete to provide a water tight construction joint. It functions as both an active and passive barrier to the transmission of water.

### Characteristics / Advantages

- Excellent bond with the concrete
- Fully Weatherproof System- no premature activation of the coating on contact with rainwater
- Only 3 cm of concrete cover on both sides are necessary to seal cold joints up to 8 bar (80 mwater pressure)
- Bonding the overlapping is not required. The overlap- ping must be at least 5 cm.
- No sticky protection tape to be removed and disposed of from Plate prior to use Water stop
- Simple design dramatically reduces the potential for poor installation or expensive remedialworks
- Studies show up to 80% installation labour saving over traditional water stops

### Application Areas

- Construction joints in wall/floor areas in contact with pressurized and non-pressurizedwater
- Wall/wall and floor/floor construction joints or wall/ ceiling areas
- joints between prefabricated components: wall/floor, corner joints, and predeterminedbreaking points

### How it Works?

- VAL CEM is cast centrally along and perpendicular to the construction joint.
- The fresh concrete active test hepaten - ted coating on the plate causing the coating to soften and expands lightly penetrating any cracks where it solidifies and seals the joint. The connection of the special coating to the concrete prevents any water-flow through the concrete construction joint.
- This process is reactive every time water or moisture comes in contact with the coatingduring the life time of the structure and repeat the sealing process.

**Storage**

Store away from frost and heat in a dry area. Storage temperature is between 5°C and 35°C. Shelf Life – 1 Year approx. In case the product has cooled down to low temperatures, it should be reheated to a minimum of 15°C before using it.

**Safety**

Avoid to breathe dust/fume/gas/mist/vapours/spray. If required, wear respiratory protection. Always wear protective gloves/clothing and eye/face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, If on skin or hair: Remove all contaminated clothing immediately. Rinse skin with water or take a shower.

**Legal Notes**

All data in our product information are based on our current knowledge and experience. They do not release users from careful testing of the application and strict observation of the relevant processing regulations because of the wide range of possible influences during the application and use of our products. Legally valid assurances of specific characteristics or suitability for special purposes of application other than those provided in our documentation for the specific product cannot be inferred from our information. The recipient or processor of our products at their own responsibility must follow any protective rights or existing laws and provisions. Moreover, our general terms and conditions of sale and warranty are valid.