

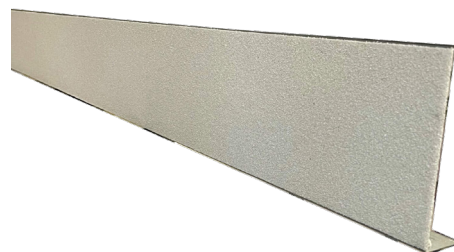
TECHNICAL DATA SHEET - METAL WATERSTOP HYDRA FB

DESCRIPTION

HyDra FB is a metal waterstop designed for sealing between base slab and wall in concrete structures. The product relies on the principle of full adhesion (Fully Bonded) to fresh concrete, achieved through its unique FB surface coating. This technology prevents water from migrating behind the joint strip, providing a reliable and long-term seal even under high hydrostatic pressure.

Unlike swellable seals, HyDra FB is not affected by moisture, standing water, or fluctuating water levels prior to casting, as the sealing function is based on adhesion rather than swelling. This means that the joint strip can be installed well in advance of the planned concrete pour without compromising performance.

HyDra FB has been tested by Vattenfall AB with overlapping joints up to 8 BAR water pressure.



APPLICATION

HyDra FB is used to prevent water ingress in construction joints, primarily at the transition between base slab and wall in:

- Basements and underground structures
- Water tanks, reservoirs, and treatment plants
- Tunnels, parking decks, and garages

KEY FEATURES

- **Not affected by water or moisture prior to casting – sealing is achieved through adhesion, not swelling**
- **Fully bonded to concrete – prevents water migration behind the strip**
- **Quick and easy installation – no protective films or coatings to remove**
- **Suitable for both precast and cast-in-place concrete structures**
- **Tested with overlap joint by Vattenfall AB up to 8 BAR water pressure**

PRODUCT RANGE

Item.nr	Name	Height (mm)	Lenght (mm)	Pcs	Pallet	Unit
1141001	Metal Waterstop HyDra FB 125x2000 with fixing angle incl. 10 mounting clips	125	2000	20	400	Meter
1141010	Mounting clips metal waterstop KA 18/8			250		Pcs
1144009	Clips			100		pcg

ENVIRONMENTAL & SUSTAINABILITY



170245



This product is listed in the Nordic Swan Ecolabel's Building Product Portal and is therefore approved for use in Swan-certified buildings.

STORAGE

There are no special storage requirements for this product. However, we recommend storing it on pallets and properly protected until installation to prevent mechanical damage.

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INSTALLATION

1. Position the metal waterstop centered where the wall will be cast, with the coated side facing the side where water pressure is expected. Then fold the tabs on the integrated base around the top reinforcement, as shown in the picture below.



2. When overlapping, the joint strip must be overlapped by at least 10 cm, and the overlap should be reinforced with a joint strip clip (included with delivery). Each strip is clearly marked to indicate where the overlap should occur.



3. The installation depth (concrete cover) of the joint strip in the base slab should not be less than 3 cm after casting, to ensure proper encapsulation and long-term performance.



4. At corners, the joint strip can be easily bent on-site.

