

TECHNICAL DATA SHEET - METAL WATERSTOP HYDRA FB 150

DESCRIPTION

HyDra FB Joint Strip is a footless steel sealing strip designed for sealing between base slab and wall in concrete structures. The product works on the principle of full bonding to fresh concrete, enabled by its unique FB surface coating. This technique prevents water migration behind the strip, providing a secure and long-term seal even under high water pressure.

Unlike swelling-based seals, HyDra FB is not affected by moisture, standing water, or fluctuating water levels prior to casting, since the sealing is based on adhesion rather than swelling. The strip can therefore be installed well in advance of the pour without compromising function. Since it has no base foot, it can also be inserted directly into fresh concrete.

Tested with overlap by Vattenfall AB 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 below-grade structures**
- **Water tanks, reservoirs, etc.**
- **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
1141005	Metal Waterstop HyDra FB 150x2000	150	2000	20	400	meter
1141010	Mounting clips metal waterstop KA 18/8			250		pcs
1144009	Fixing clip			100		pcg
1143010	Omega clip			25		pcs

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

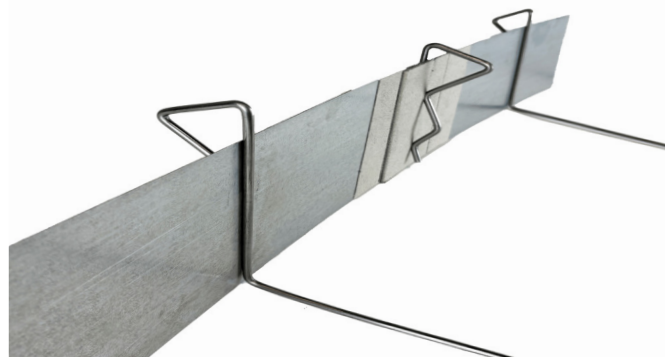
- HyDra FB 150 can be pre-installed using the Omega bracket (Art. No. 1143010) or inserted directly into fresh concrete. Minimum installation depth is 3 cm
- Minimum overlap is 10 cm, clearly marked on the product
- The overlap should be secured with 1 mounting clip (Art. No. 1141010) or 2 fixing clips (Art. No. 1144009)
- The FB-coated side must always face the expected water pressure
- To ensure stable positioning during casting, use the Omega clip, tied to the top reinforcement
- At corners, the joint strip can be easily bent on-site to follow the formwork geometry



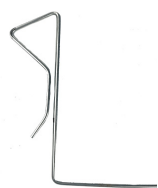
The metal waterstop is clearly marked to indicate where the overlap should occur, making correct placement easier during installation.



The overlap must be secured using Mounting clip, ensuring the seal remains in position during casting.



For stable positioning prior to casting, use the Omega clip, which secures the joint strip during the pouring process. The bracket is tied to the top reinforcement



Omega clip



Mounting clip



Fixing clip