BUILDING COMMON GROUND

MAX FRANK

Technical Data Sheet

Fradiflex® stainless steel metal water stop

Fradiflex® metal water stop made of V4A-stainless steel, with double-sided special coating

CE

Product

Description	The **Fradiflex® V4A metal water stop** consists of a stainless steel sheet with a special coating on both sides. The special coating is protected with a foil.
Use	**Fradiflex® V4A metal water stop** may be used for sealing construction joints in in-situ concrete - at the transition from wall to base without concrete upstand, wall to ceiling or at the transition from base to base and wall to wall in building construction, civil engineering and structural engineering. It can also be used with aggressive media (see resistance table).
Characteristics / advantages	The **Fradiflex® V4A metal waterstop** was tested in a functional test up to 5 bar water pressure (50 m water column). Maximum permissible water pressure according to the declaration of performance 2 bar.

Test Reports

Approval/ permission	European approval (ETA-15/0914) of DIBt Berlin dated 7 March 2016 Test certificate of the Technical University Munich for: - single or double-sided special coating **Fradiflex® metal water stop** (abP No: P-51-07-0084\002 dated 15.01.2018) - single or double-sided special coating **metal water stop Fradiflex® controlled crack joint element** (abP-No.: P-51-07-0084\003 dated 30.08.2018) Fire: Test certificate no. B18269 of the TU Munich dated 08.10.2018

Product Data

Design	**Fradiflex® metal waterstop V4A** consists of a sealing sheet with fixing bracket and is provided in rolls. The overlapping joints are bonded by the coating and secured with clips. The sheets have a special coating on two sides that later bonds with the concrete.

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Packaging	**Fradiflex® stainless steel metal water stop** is supplied as follows: - 25 m roll: 1 roll/box / 36 boxes per pallet
Storage	12 months after date of production at max. 35 °C protected from moisture.
Physical characteristics	**Fradiflex® V4A metal waterstop** is made from a stainless-steel sheet with a height of 150 mm. The sheet thickness is 0.5 mm and is cut to rolls of 25 m. The product is temperature resistant from -30 °C to +70 °C and can be processed from -15°C to +50°C [1]. The material for the special coating consists of an elastomeric plastic, free of formaldehydes. The layer thickness of the black special coating is approx. 0.2 mm (double-sided). The coating is free of mercury, lead, cadmium and chromium (VI) in accordance with Directive 94/62/EG. According to EN ISO 11890-2:2001, the content of volatile organic hydrocarbons (VOC`s) is less than 0.3 %, according to regulation CH814.018 = 0 %. The protective film is made of polypropylene. It protects the coating from dirt, dust and, while pouring, from unintentional concrete splashes. After removing the film, the coating should not be exposed to weather for more than 7 days.
Disclaimer / Notes:	All technical data stated in this TDS are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. Recommendations with regard to product application given in the present technical data sheet for practical assistance of product users are based on our experience and our present scientific and practical body of knowledge. These recommendations, however, are given without engagement and do not establish a contractual relationship or subsidiary duties. These recommendations do not relieve users of their liability and of their own responsibility to test, whether our product is adequate for the intended purpose of application. Please refer to the latest edition of this Technical Data Sheet on our web presence www.maxfrank.com

[1] Irrespective of this the concrete must be protected from frost during and after pouring!

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