

Technical Data Sheet

Fradiflex® Premium metal water stop

Fradiflex® Premium metal water stop is made of galvanised sheet steel, black or stainless steel panels with a special coating



Product

Description

Fradiflex® Premium metal water stop consists of a galvanised steel sheet, black or stainless steel panels (in different widths) with a special coating applied on both sites. The special coating is protected with a removable foil.

Fradiflex® Premium metal water stop is offered in different lengths.

Usage

Fradiflex® Premium metal water stops may be used for sealing construction joints in in-situ concrete - at the wall-to-floor transition without concrete upstand, wall-to-ceiling or the floor-to-floor and wall-to-wall transition - in building construction, civil engineering and structural engineering.

Characteristics/ benefits

Maximum permissible water pressure according to the general building test certificate or declaration of performance 2.0 bar (20 m water column).

Test

Approval/ permission

General test certificate (P-51-21-0043) issued by the Technical University of Munich (TUM) on August 31, 2023.

European approval (ETA-15/0914) from the Deutsches Institut für Bautechnik (DIBt) in Berlin dated March 07, 2016 for:

- **Fradiflex®** metal waterstops coated single- or double-sided
- **Fradiflex®** controlled crack joint element coated single- or double-sided

Product details

Design	<p>Fradiflex® Premium metal water stop consists of a metal water stop with or without mounting bracket and is supplied in rolls or in straight pieces. Joints are connected by overlapping and bonding the coating by 50 mm and secured with a clamping bracket.</p> <p>The position of the metal water stop is secured by fixing brackets with tying wire or with the associated mounting brackets and tying wire at a distance of 600 to 800 mm on or at the reinforcement.</p> <p>The metal water stops consist a special black coating that bonds very well with the concrete.</p> <p>A thin split foil covers the entire surface of the sheet or the coating.</p>
Packaging	<p>Fradiflex® Premium metal water stop is supplied as follows:</p> <ul style="list-style-type: none"> - 25 m roll: 1 roll/box / 36 boxes per pallet or - 2.1 m straight pieces: 50 pcs/box
Storage	<p>12 months after date of manufacture at max. 35 °C, protect from moisture, direct sunlight and contamination of dirt.</p>
Physical characteristics	<p>Fradiflex® Premium metal waterstop is manufactured from galvanized or black or stainless steel panels in widths from 80 mm to 200 mm¹. The sheet thickness is 0.6 mm (galvanized), 1.5 mm (black) or 0.5 mm (stainless steel) and is cut into rolls of 25 m or straight pieces of 2.1 m.</p> <p>Processing temperature: -10°C to +50°C</p> <p>Temperature resistance: -25°C to +60°C ².</p> <p>The material for the special coating consists of a thermoplastic elastomer, free of formaldehydes. The layer thickness of the black special coating is approx. 0.2 mm.</p> <p>The protective foil protects the coating from dirt, dust and during concreting from unwanted concrete splashes. After removing the film, the coating should not be exposed to weather for more than 7 days.</p>

Disclaimer / Notes:

The usability of the products in the specific installation situation must be checked by the user. This data sheet is constantly updated. Technical changes are therefore expressly reserved without prior information of the customer. The currently valid version can be found on our website at: www.maxfrank.com. Our General Terms and Conditions of Sale apply in addition.

¹ Ausführung mit Höhe 80 mm ist für den Einbau gesondert zu prüfen The utilisation of 80mm high Fradiflex must be doublechecked and confirmed for the intended use case.

² Regardless of this the concrete must be protected from frost during and after pouring!