

Technical Data Sheet

Fradiflex® controlled crack joint elements

Fradiflex® controlled crack joint elements, Fradiflex® element wall crack joints and Fradiflex® element wall controlled crack inducer corner strips consist of sheet metal with special coating.





Product	
Description	Fradiflex® controlled crack joint elements consist of a steel sheet with a special coating. The special coating is protected with a protective film. The crack plate is perpendicular to the sealing plate.
	Fradiflex® controlled crack joint elements are available in different versions (length, crack plate widths).
Usage	Fradiflex® controlled crack joint elements can be installed for sealing of vertical construction and predetermined crack joints in in-situ concrete and at the wall-to-wall transition of element walls and butt joints. The width of the crack-generating sheets must be selected according to the thickness of the component. The elements are used in building construction, civil engineering and structural engineering.
Characteristics / advantages	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 coated Fradiflex® controlled crack cross sections (abP No: P-51-07-0084\003 dated 30 August 2018) - single- or double-sided coated Fradiflex® metal water stop (abP No: P-51-07-0084\002 dated 15 January 2018)



Product Data	
Design	Fradiflex® controlled crack joint elements consist of a sealing sheet and crack inducing metal sheets. The elements are provided in strip form and in different lengths. The overlapping butts are glued by the coating and secured with a clamp
	The metal sealing sheet has a special coating, which later bonds with the concrete.
	A thin foil covers the coated metal side over the entire surface.
Packaging	Fradiflex® controlled crack joint elements are supplied as follows:
. acitaging	- straight pieces of 2,5 m length: 32 pcs./pallet
	- straight pieces of 3,0 m length: 32 pcs./pallet
Storage	12 months after date of production at max. 35°C protected from moisture.
Physical characteristics	The sealing metal sheet is made of a slit strip (DC01) in widths of 150 mm. The sheet thickness is 1.5 mm and is cut in straight pieces of 2.5 m or 3.0 m length. The width of the crack metals (thickness 1.0mm) is 30 mm to 50 mm on each side (DC01), for corner elements 100 mm on one side (DC01).
	Processing temperature: -10°C to +50°C
	Temperature resistance: -25°C to +60°C¹.
	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 mn 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 plastic. It protects the coating from dirt, dust and, during concreting, from unintentional concrete splashes. After removing the film, the coating should not be exposed to weather for more than 7 days.
Disclaimer / Notes:	This product does not require a Safety Data Sheet (SDS) according to REACH as it is not a substance or mixture as defined in Chapter 2, Article 3 of REGULATION (EC) No 1907/2006 (REACH). 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 presen scientific and practical body of knowledge. These recommendations, however, are given without engagement and do not establish a contractual relationship or subsidiary duties.

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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

 $^{^{\}rm l}$ The concrete must be protected from frost during and after pouring!