

PRODUCT DATA SHEET

FlexoDrain W

FLEXIBLE DRAINAGE SYSTEM FOR TUNNELS AND MINES

PRODUCT DESCRIPTION

Technically advanced system for local drainage of the tunnel wall.

USES

To divert groundwater, the open channels are positioned manually or with a nail gun. The open channel reinforcement allows direct over-spraying with wet or dry sprayed concrete. The groundwater ingress is thereby channelled and diverted to prevent water pressure building up behind the tunnel lining.

CHARACTERISTICS / ADVANTAGES

- Time saving installation due to wide, easy to fix flaps at the sides
- Directly over-sprayable with sprayed concrete due to the use of fabric-reinforced membrane
- Particularly suitable for installation during tunnel boring
- Particularly for use in repair works including sprayed concrete
- Extremely flexible and adaptable due to the malleable open channel
- Dimensionally stable due to the internal reinforcement
- A separation layer on the substrate is not necessary
- Ideally integrated with the wide range of Sika products for tunnels and mines

PRODUCT INFORMATION

Packaging	Roll:	20 m
	Pallet:	25 x 20 m roll (500 m)
Shelf Life	Unlimited shelf life under correct storage conditions.	
Storage Conditions	Store in a dry place. Protect from direct sunlight.	
Dimensions	Allows a free cross-section of up to:	18 cm ²
	Mounting flaps on both sides:	~ 1.5 - 2 cm
	Membrane thickness:	~ 1.2 mm

APPLICATION INSTRUCTIONS

APPLICATION METHOD / TOOLS

The FlexoDrain W system can be fixed manually, with a nail gun or with sprayed concrete.

The FlexoDrain W system is not complete until the open channels are covered with sprayed concrete.

Sika® Shot-3 is particularly suitable for fixing and over-spraying.



LIMITATIONS

Not suitable for large area drainage.

Over-spraying with wet or dry spraying concrete with a grain size of up to 8 mm is possible.

VALUE BASE

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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