

PRODUCT DATA SHEET

SikaSwell® Hydroseal

Hydrophilic swellable joint sealing profiles

DESCRIPTION

SikaSwell® Hydroseal is a hydrophilic swellable joint sealing profile on polychloroprene basis (CR=chloroprene rubber, neoprene). It swells in contact with water to seal all types of construction joints and penetrations in concrete structures.

USES

- Construction joints
- Pipe and steel work penetrations through walls and floor slabs
- Around all types of penetrations and connection joints

FEATURES

- Based on polychloroprene rubber
- Simple, low cost installation
- Available in different sizes
- expand up to 600 vol.% by absorbing water

CERTIFICATES AND TEST REPORTS

General Building Authority Test Certificate for HYDRO-SEAL water-expanding rubber profile; MFPA Leipzig 2014

Classification of fire behavior according to DIN EN 13501-1:2010-01; MFPA Leipzig 2014

PRODUCT INFORMATION

Packaging	Profile	Packaging
	KP 1020	Card Box with 5 Rolls x 10 m
	KP 2020	Card Box with 3 Rolls x 10 m
	KP 3030	Card Box with 1 Roll x 10 m
Shelf life	24 months from the date of production in unopened original packaging and correct storage conditions	
Storage conditions	The product must be stored in original, unopened and undamaged packaging in dry conditions at temperatures between +15 °C and +25 °C. Always refer to packaging.	
Appearance and colour	hydrophilic black coloured profile on polychloroprene basis	
Dimensions	Profile	Dimensions
	KP 1020	10 x 20 mm
	KP 2020	20 x 20 mm
	KP 3030	30 x 30 mm

SYSTEM INFORMATION

System structure	recommended adhesive for application: Sikadur®-82 WB
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APPLICATION INFORMATION

Ambient air temperature	depending on the application method, please refer to the data sheet of the corresponding adhesive
Substrate temperature	depending on the application method, please refer to the data sheet of the corresponding adhesive

BASIS OF PRODUCT DATA

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

ECOLOGY, HEALTH AND SAFETY

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The substrate must be sound, clean, dry or matt damp, free from all surface contaminants that could impair the adhesion.

APPLICATION

IMPORTANT

Concrete cover

Insufficient concrete cover, low density concrete or voids will prevent the SikaSwell® Hydroseal from developing its waterproofing function.

1. Place the SikaSwell® Hydroseal in the centre of the concrete structure.
2. In concrete maintain a minimum cover of 10 cm on both sides.

SEALANT:

1. Apply adhesive in a narrow bed (size of triangular section ~12 mm tall and ~12 mm wide) onto the prepared substrate. Extrude enough material to level the roughness of the substrate.
2. Place and press the SikaSwell® Hydroseal firmly into the fresh applied adhesive.
3. Ensure full and continuous contact between the adhesive and both the SikaSwell® Hydroseal and the substrate is achieved.
4. Protect the SikaSwell® Hydroseal against water (for example, rain) until the concrete is placed. The application of SikaSwell® Hydroseal should be carried out in dry weather conditions if possible or shortly before concreting.
5. During placement compact the fresh concrete well around the SikaSwell® Hydroseal to achieve dense concrete without any honeycombing or voids.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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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August 2024, Version 01.02

020703300200000020

SikaSwellHydroseal-en-DE-(08-2024)-1-2.pdf