

PRODUCT DATA SHEET

Sikagard[®]-541 Crack Seal

ELASTOMERIC CRACK FILLER

DESCRIPTION

Sikagard[®]-541 Crack Seal is a acrylic elastomeric crack filler designed for filling cracks in concrete surfaces.
Suitable to use in hot and tropical climatic conditions.

USES

- For concrete, mortar or stone.
- On horizontal and vertical surfaces.

CHARACTERISTICS / ADVANTAGES

- Acrylic water based formulation
- Flexible
- High solids formula for less shrinkage
- Chloride ingress resistance
- Overpaintable
- Good adhesion to concrete

PRODUCT INFORMATION

Composition	Blend of acrylic elastomeric dispersion and selected fillers	
Packaging	5 kg and 20 kg	
Appearance / Colour	Thick putty consistency / White	
Shelf life	12 months from date of production	
Storage conditions	Stored properly in original unopened packing.	
Density	~1.59 g/l	
Solid content by volume	~77%	(ISO 3233)
Volatile organic compound (VOC) content	< 100 g/l	(US EPA 24)

TECHNICAL INFORMATION

Tensile strength	Tensile strength:	Elongation:	(ASTM D638)
	~12 N/mm ²	~30%	
Note: Temp: 23 °C, RH: 50%			
Tensile adhesion strength	≥ 1.0 N/mm ²	(ASTM D7234)	

APPLICATION INFORMATION

Consumption	Approximately 1.6 kg/m ² /mm This figure is theoretical and does not allow for any additional material due to surface porosity, surface profile, variations in level or wastage etc.
Ambient air temperature	+5 °C min. / +40 °C max.
Substrate temperature	+5 °C min. / +40 °C max., min. 3 °C above dew point temperature

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.

FURTHER INFORMATION

Shore D Hardness: ~50 (DIN 53505)

IMPORTANT CONSIDERATIONS

Only to be used for filling of surface, non-structural cracks.

Do not use for structural cracks in concrete, consult Sika's Technical Department for advice.

Do not use for flooring applications.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be clean, dry, sound, free from oils, grease, dust and loose or friable particles. Sikagard®-541 Crack Seal adheres without primers.

APPLICATION

Sikagard®-541 Crack Seal can be applied with a trowel, putty knife, or similar tool.

Work material into a crack. Level and smooth to surrounding surface.

Coverage is dependent upon depth and width of cracks. Typically, one kg of Sikagard®-541 Crack Seal will fill approximately 5 -10 m of cracks

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Once cured, hardened material can only be removed mechanically.

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 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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All products are supplied under a management system certified to conform to the requirements of the quality, environmental and occupational health & safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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