

PRODUCT DATA SHEET

Sikadur[®]-20 Crack Seal

Low viscosity and semi elastic epoxy resin

DESCRIPTION

Sikadur[®]-20 Crack Seal is a solvent-free, 2-component low viscosity and semi elastic liquid, based on epoxy resins. It is used especially for sealing of non-structural cracks and cavities in concrete.

USES

- Fill and seal non-structural crack and cavities in structural concrete such as concrete decks, balconies, concrete roof structures, wet room, swimming pool and especially before waterproofing works.
- Repair floor tile joint for leakage treatment at wet room.

CHARACTERISTICS / ADVANTAGES

- Semi elastic crack sealing
- Low viscosity
- Suitable in both, dry and damp conditions
- High adhesive strength
- No shrinkage

PRODUCT INFORMATION

Chemical base	Epoxy resin	
Packaging	Part A+B	140 mL set
	Part A	70 mL
	Part B	70 mL
Shelf life	12 months from date of production	
Storage conditions	The product must be stored properly in undamaged, unopened original sealed packaging in dry conditions at temperatures between +10 °C and +35 °C. Protect from direct sunlight and frost.	
Colour	Yellowish	
Density	~1.05 kg/L (Part A+B mixed)	(EN ISO 2811-1)
Viscosity	~90 mPa·s (Brookfield viscometer, 2/30, +30 °C)	

TECHNICAL INFORMATION

Flexural strength	Elastic (28 days cured at +30 °C)	(ASTM D790)
Tensile adhesion strength	~2.0 N/mm ² (concrete failure)	(EN 1542)

APPLICATION INFORMATION

Mixing ratio	Part A : Part B = 1 : 1 (by volume)
Pot life	> 20 min (at +30 °C)

BASIS OF PRODUCT DATA

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.

FURTHER DOCUMENTS

Refer to the application video
[Sikadur®-20 Crack Seal Application Video](#)

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

- Minimum age of concrete must be 28 days prior to application.
- Surface must be clean and sound.
- It may be dry or damp, but free of standing water.
- Maximum crack width must be 10 mm.

SUBSTRATE PREPARATION

1. Groove and clean the cracks / cavities / tile joint (free of water).

MIXING

1. Slowly shake each components.
2. Proportion 1 part Component A to 1 part Component B into a clean bottle.
3. Invert the bottle 15 – 20 times slowly until uniformly mixed.
4. Mix only quantity that can be used within its pot life.

APPLICATION METHOD / TOOLS

1. Gravity feed crack – pour Sikadur®-20 Crack Seal into vee-notched crack / cavities / tile joint until completely filled.

Finishing Application

To get flat surface on repair area, it needs finishing application as following:

- Repair on concrete : Mix component A+B Sikadur®-20 Crack Seal then add cement as filler (Comp. AB : Cement = 1 : 2–3 by volume, depend on desired consistency) and apply with putty blade.
- Repair on tile joint : Mix component A+B Sikadur®-20 Crack Seal then add Sika® TiloGrout as filler (Comp. AB : Sika Tile Grout = 1 : 2–3 by volume, depend on desired consistency) and apply with putty blade.

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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