

PRODUCT DATA SHEET

Sikadur[®]-20 Crack Seal

LOW VISCOSITY AND SEMI ELASTIC EPOXY RESIN

DESCRIPTION

A solvent-free, 2-component low viscosity and semi elastic liquid, based on epoxy resins. Especially for sealing into non-structural cracks and cavities in concrete.

USES

To 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

Packaging	160 mL and 850 mL set
Colour	Yellowish
Shelf life	2 years when unopened and stored properly in original container
Storage conditions	Stored in dry, cool, and shaded place
Density	~1.07 kg/L
Viscosity	83 ± 30 cps

TECHNICAL INFORMATION

Tensile Strength in Flexure	28 days	Elastic	(ASTM D-790)
Tensile Adhesion Strength	28 days	~2.0 N/mm ² (Concrete failure, over mechanically prepared concrete surface)	

APPLICATION INFORMATION

Mixing ratio Comp. A : B = 1 : 1 by volume

Pot Life 20 min (at +30 °C)

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Grove and clean the cracks / cavities / tile joint (free of water) Surface must be clean and sound. It may be dry or damp, but free of standing water.

MIXING

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

APPLICATION METHOD / TOOLS

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)
- Repair on tile joint : Mix component A+B Sikadur®-20 Crack Seal then add Sika Tile Grout as filler (Comp. AB : Sika Tile Grout = 1 : 2 - 3 by volume, depend on desired consistency)

IMPORTANT CONSIDERATION

Maximum crack : width 10 mm

Minimum age of concrete must be 28 days prior to application

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.

LOCAL RESTRICTIONS

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

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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