

PRODUCT DATA SHEET

Sikadur[®]-20 Crack Seal

SEMI ELASTIC EPOXY RESIN FOR SEALING OF CRACKS

DESCRIPTION

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

USES

Sikadur[®]-20 Crack Seal can be used to fill and seal non-structural cracks and cavities in structural concrete such as:

- Concrete decks
- Balconies
- Concrete roof structures
- Concrete driveways
- Wet areas
- Swimming pools
- Tile joint repairs

CHARACTERISTICS / ADVANTAGES

- Semi-elastic properties
- Low viscosity
- Solvent free
- Suitable in both, dry and damp conditions
- High adhesive strength
- No shrinkage
- Easy to install- no mixing equipment or cartridge guns required
- Can be painted over (confirm compatibility with paint manufacturer before application)

PRODUCT INFORMATION

Composition	Semi-rigid epoxy resin
Packaging	160ml applicator bottle
Shelf life	2 years
Storage conditions	From date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.
Colour	Yellowish
Density	~1.07 kg/L
Viscosity	83 ± 30 cps

TECHNICAL INFORMATION

Tensile strength in flexure	28 days	Elastic	(ASTM D-790)
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Tensile adhesion strength	28 days	~2.0 N/mm ² (Concrete failure, over mechanically prepared concrete surface)
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APPLICATION INFORMATION

Mixing ratio	Comp. A : B = 1 : 1 by volume
Consumption	Approx. 1x metre (Based on crack 3mm wide by 6mm deep) per applicator bottle
Layer thickness	Crack must not exceed 10mm wide
Pot Life	2 hours (23°C) 20min (30°C)
Curing time	3 hours (23°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.

IMPORTANT CONSIDERATIONS

- Maximum crack width: 10 mm
- Minimum age of concrete must be 28 days prior to application
- Sikadur[®]-20 Crack Seal should not be used on cracks as a structural repair
- Sikadur[®]-20 Crack Seal is low in viscosity and fluid in nature, therefore best applied on level surfaces.

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.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Grind the face of the crack open to a maximum of 10mm and thoroughly clean the prepared area so it is free of dust and debris. Sikadur[®]-20 Crack Seal can be applied on a damp surface but there must be no free standing water.

MIXING

Slowly shake each component separately before mixing the two components together. Empty all of Component A and Component B into the applicator bottle and invert the bottle 15-20 times slowly until the product is uniformly mixed.

If the entire kit is not required, equal parts of Component A and Component B (1:1 ratio) can also be mixed.

APPLICATION METHOD / TOOLS

Pour the mixed Sikadur[®]-20 Crack Seal into the chased out crack/ cavity/ tile joint via gravity feeding until completely filled.

Sikadur[®]-20 Crack Seal is fluid in nature and works best on level surfaces; for applications that are not level, Sikadur[®]-20 Crack Seal can be bulked out with cement or aggregate as a filler to increase the viscosity and create a thicker product for the desired application.

Repair on concrete : Mix Sikadur[®]-20 Crack Seal component A+B then add cement as filler (Comp. AB : Cement = 1 : 2 - 3 by volume, depend on desired consistency)

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.

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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Product Data Sheet

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