

# PRODUCT DATA SHEET

## Sikadur<sup>®</sup>-52 ID

### LOW VISCOSITY EPOXY RESIN INJECTION

#### DESCRIPTION

Sikadur<sup>®</sup>-52 ID is a solvent-free, 2-component super low viscosity-liquid, based on high strength epoxy resins. Specially for injecting into cavities and cracks in concrete.

#### USES

To fill and seal cavities and crack in structural concrete such as columns, beams, foundations, decks and water-retaining structures.

#### CHARACTERISTICS / ADVANTAGES

- Tenacious crack sealing grout.
- Super-low viscosity.
- Suitable in both, dry and damp conditions.
- High mechanical and adhesive strength.
- Hard, but not brittle.
- No shrinkage.

#### PRODUCT INFORMATION

Packaging	1.2 kg set
Colour	Yellowish
Shelf life	24 months when unopened and stored properly in original container.
Storage conditions	Stored in dry, cool, and shaded place.
Density	~1.08 kg/L
Viscosity	180 ± 25 cps

#### TECHNICAL INFORMATION

Compressive Strength	7 days	~62 N/mm <sup>2</sup>	(ASTM D-695)
	28 days	~64 N/mm <sup>2</sup>	
Modulus of Elasticity in Compression	~1 060 N/mm <sup>2</sup>		
Tensile Strength in Flexure	28 days	~40 N/mm <sup>2</sup>	(ASTM D-790)
Tensile Adhesion Strength	28 days	~2.0 N/mm <sup>2</sup> (Concrete failure, over mechanically prepared concrete surface)	
	28 days	~9.0 N/mm <sup>2</sup> (Steel surface blast cleaning to SA 2 ½)	

## APPLICATION INFORMATION

Mixing Ratio	Comp. A : B = 2 : 1 by weight/volume
Yield	Theoretical yield is 1.11 L / 1.2 kg set
Pot Life	35 min (at +30 °C)

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Surface must be clean and sound. It may be dry or damp, but free of standing water.

### MIXING

Pre-mix each component. Proportion 2 part Component A to 1 part Component B into a clean pail. Mix thoroughly for 3 minutes with a paddle on low-speed (400-600 rpm) drill until uniformly blended. Mix only quantity that can be used within its pot life.

### APPLICATION METHOD / TOOLS

To gravity feed crack-pour Sikadur®-52 ID into vee-notched crack until completely filled. To pressure inject cracks-use automatic injection equipment or manual method. Seal parts and cracks with Sikadur®-31 CF Normal, after cured inject Sikadur®-52 ID with steady pressure.

## 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.

## 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.

## 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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