

# PRODUCT DATA SHEET

## Sikadur<sup>®</sup>-52 TH

### 2-COMPONENT LOW VISCOSITY INJECTION RESIN

#### DESCRIPTION

A 2-component, solvent-free, low viscosity injection liquid, based on high strength epoxy resins. After mixing, it is injected into cavities and cracks in concrete where it cures to a rigid high strength material.

#### USES

Sikadur<sup>®</sup>-52TH is used to fill and seal cavities and cracks in structural components such as columns, beams, foundations, decks and water-retaining structures. It not only forms an effective barrier against water infiltration, but also bonds the concrete sections, together, thereby restoring original structural strengths.

#### CHARACTERISTICS / ADVANTAGES

Sikadur<sup>®</sup>-52TH is a deeply penetrative liquid with high adhesive qualities.

Other benefits are :

- Solvent free
- Suitable in both, dry and damp conditions
- Usable at low temperatures
- Shrinkage-free hardening
- High mechanical and adhesive strength

#### APPROVALS / CERTIFICATES

Tested according to ASTM C 881-78 Type I, Grade 1 Class B+C

#### PRODUCT INFORMATION

<b>Packaging</b>	2 kg (A+B)	Pre-batched unit box of 12 x 2kg
<b>Colour</b>	Yellowish/transparent	
<b>Shelf life</b>	12 months when unopened and stored correctly	
<b>Storage conditions</b>	+5°C to +40°C	
<b>Density</b>	1.1 kg / ltr	
<b>Viscosity</b>	290 c. poise at 20°C R.T. type 130 c. poise at 30°C R.T. type	

#### TECHNICAL INFORMATION

<b>Tensile Strength</b>	20-25 N/mm <sup>2</sup>
<b>Tensile Adhesion Strength</b>	To concrete 3-4 N/mm <sup>2</sup> (concrete failure) To steel 10-15 N/mm <sup>2</sup> (steel sandblasted) (35°C, 65% r.H., 10 days)

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## APPLICATION INFORMATION

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**Mixing Ratio** A:B = 2:1 (parts by weight and volume)  
Normal / R.T. type

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<b>Pot Life</b>	<b>Temperature</b>	<b>2 kg R.T.</b>
	40°C	15 min.
	30°C	30 min.
	20°C	60 min.

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## APPLICATION INSTRUCTIONS

Maximum width of crack to be injected = 5 mm  
Minimum age of new concrete = 3-6 weeks  
Note : To obtain the performance characteristics stated in this data sheet, the mixing ratio must be maintained.

There are various application methods with different equipment required, depending on the nature of the work to be carried out. It is therefore advisable, to contact our Technical Department for their assistance.

## 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.