

# PRODUCT DATA SHEET

## Sikadur<sup>®</sup>-52 TH

### 2-Component Low Viscosity Injection Resin

#### DESCRIPTION

Sikadur<sup>®</sup>-52 TH is 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>-52 TH 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>-52 TH 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

#### PRODUCT INFORMATION

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

#### TECHNICAL INFORMATION

Compressive Strength	≥ 55 N/mm <sup>2</sup> (ASTM D 695-15)
Tensile Strength in Flexure	≥ 11 N/mm <sup>2</sup> (ASTM D 790-15)

**Tensile Adhesion Strength**

2 days

≥ 3 N/mm<sup>2</sup>

(ASTM C882-13)

14 days

≥ 11 N/mm<sup>2</sup>

(concrete failure)

**APPLICATION INFORMATION****Mixing ratio**

A:B = 2:1 (parts by weight and volume)

**Pot Life****Temperature****Time**

+40°C

15 min.

+30°C

30 min.

+20°C

60 min.

**Notes:**

- Measures on 2 kg set
- For extended pot-life comp. A&B can store in cool room prior mixing.

**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.

**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**

Maximum width of crack to be injected ~5 mm  
 Minimum age of new concrete is from 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.

**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.

**Sika Limited (Vietnam)**

Nhon Trach 1 Industrial Zone,  
 Nhon Trach Dist., Dong Nai Province,  
 Vietnam

Tel: (84-251) 3560 700

Fax: (84-251) 3560 699

sikavietnam@vn.sika.com

**Product Data Sheet**

Sikadur®-52 TH

June 2021, Version 02.01

020707030010000020

Sikadur-52TH-en-VN-(06-2021)-2-1.pdf

