

PRODUCT DATA SHEET

Sikadur[®]-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[®]-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[®]-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

Packaging	2 kg (A+B)	Pre-batched unit box of 12 x 2kg
Shelf life	12 months when unopened and stored correctly	
Storage conditions	+5°C to +40°C	
Colour	Yellowish/transparent	
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

Tensile strength	>25 N/mm ²
Tensile adhesion strength	To concrete 3-4 N/mm ² (concrete failure) To steel 10-15 N/mm ² (steel sandblasted) (35°C, 65% r.H., 10 days)

APPLICATION INFORMATION

Mixing ratio	A:B = 2:1 (parts by weight and volume) Normal / R.T. type	
Pot Life	Temperature	2 kg R.T.
	40°C	15 min.
	30°C	30 min.
	20°C	60 min.

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

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

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.

LOCAL RESTRICTIONS

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

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
Sikadur®-52 TH
April 2022, Version 03.01
020707030010000020

Sikadur-52TH-en-TH-(04-2022)-3-1.pdf