

# PRODUCT DATA SHEET

## Sikadur<sup>®</sup>-32 TH

### 2 -Component Epoxy Resin Bonding Agent

#### DESCRIPTION

Sikadur<sup>®</sup>-32 TH is a solvent-free, 2-component bonding agent, based on selected epoxy resins. After application to old concrete surfaces, it provides a perfect bond for new concrete.

#### USES

- Provide a bond of far greater strength than the tensile strength of the concrete itself.
- Suitable for use wherever structural bonding of new concrete to existing one is carried out.
- Can be used as a bonding agent on concrete, mortar, steel, iron, etc.

#### CHARACTERISTICS / ADVANTAGES

- Easy to apply
- Solvent-free
- Unaffected by moisture
- Highly effective even on damp surfaces
- Workable at low temperatures
- High tensile strength

#### APPROVALS / CERTIFICATES

Complies with ASTM C 881-78 Type II, Grade 2 Class B+C.

#### PRODUCT INFORMATION

Packaging	Pre-dosed 1 kg, 2 kg (A+B)
Colour	Light Grey
Shelf life	12 months from the date of production If stored properly in undamaged, original, sealed packaging.
Storage conditions	Store in dry conditions, protected from direct sunlight at temperature between 0°C and 30°C
Density	~1.4 kg/l

#### TECHNICAL INFORMATION

Compressive strength	60-70 N/mm <sup>2</sup>
Tensile strength in flexure	30-35 N/mm <sup>2</sup>
Tensile strength	18-20 N/mm <sup>2</sup>
Tensile adhesion strength	<b>Concrete</b> : 2.5 - 3 N/mm <sup>2</sup> (Concrete failure) <b>Steel</b> : 18 - 20 N/mm <sup>2</sup> (35°C, 65% rH., 10 days,)

#### APPLICATION INFORMATION

<b>Mixing ratio</b>	Comp. A:B = 2:1 parts by weight.	
<b>Consumption</b>	0.3 - 0.8 kg/m <sup>2</sup> , depending on porosity of substrate.	
<b>Pot Life</b>	<b>Temperature</b>	<b>Time</b>
	40°C	20 min.
	30°C	40 min.
	20°C	90 min.
<b>Open Time</b>	<b>Temperature</b>	<b>Time</b>
	40°C	2 hrs.
	30°C	3 hrs.

## 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

### MIXING

Mix both components together with a slow speed electric drill (max. 600 R.P.M.) until a smooth consistency is achieved.

### APPLICATION METHOD / TOOLS

After mixing, apply directly to the prepared substrate by brush, roller or spray. On damp surfaces, ensure that it is well brushed in. Pour new concrete within specified time, so material is still tacky.

### CLEANING OF EQUIPMENT

Clean all tools and equipment immediately after use with Thinner C.

## 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.

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## 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.