

# PRODUCT DATA SHEET

## Sikadur<sup>®</sup>-732

### 2-COMPONENT EPOXY RESIN BONDING AGENT

#### DESCRIPTION

Sikadur<sup>®</sup>-732 is a solvent-free, 2-component bonding agent, based on selected epoxy resins. After application to old concrete surface, it provides a perfect bond for new concrete. Sikadur<sup>®</sup>-732 complies with ASTM C 881-02, Type II, Grade 2, Class B+C.

#### USES

- Sikadur<sup>®</sup>-732 may only be used by experienced professionals.
- To permanently bond freshly mixed mortar or concrete to hardened concrete, glazed bricks, tiles, steel or other structural materials.
  - Sikadur<sup>®</sup>-732 is also used to seal hair lines cracks and as a protective coating to steel parts i.e. anchor plates.

#### CHARACTERISTICS / ADVANTAGES

Sikadur<sup>®</sup>-732 provides a bond of far greater strength than the tensile strength of the concrete itself. Therefore, it is suitable for use wherever structural bonding of new concrete to existing one is carried out.

Other benefits are:

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

#### APPROVALS / STANDARDS

International test report are available

#### PRODUCT INFORMATION

|                    |   |
|--------------------|---|
| Packaging          | 1 & 2 kg set                                    |
| Colour             | Light grey                                      |
| Shelf life         | 12 months when unopened                         |
| Storage conditions | Stored in dry place above 0 °C and max. +25 °C. |
| Density            | ~ 1.4 kg/l (mixed)                              |

#### TECHNICAL INFORMATION

|                                      |                                     |                                   |
|--------------------------------------|-------------------------------------|-----------------------------------|
| Compressive Strength                 | > 35 N/mm <sup>2</sup><br>At 7 days | (meets ASTM C881-02 requirements) |
| Modulus of Elasticity in Compression | > 600 MPa<br>At 7 days              | (meets ASTM C881-02 requirements) |
| Tensile Strength                     | >14 N/mm <sup>2</sup><br>At 7 days  | (meets ASTM C881-02 requirements) |

|                                  |                    |  |
|----------------------------------|--------------------|--|
| <b>Elongation at Break</b>       | > 1 %<br>At 7 days | (meets ASTM C881-02 requirements)  |
| <b>Tensile Adhesion Strength</b> | 2 days<br>14 days  | > 7 N/mm <sup>2</sup><br>> 10 N/mm <sup>2</sup> (meets ASTM C881-02 requirement) |

## 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 upon surface porosity, texture etc. |             |
| <b>Pot Life</b>   | <b>Temperature (°C)</b>   | <b>Time</b> |
|   | 40  | 20 min.     |
|   | 30  | 40 min.     |
|   | 20  | 90 min.     |
| <i>Note:</i> For extending the pot life, component A & B can be stored in cool room prior mixing. |   |             |

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

All surfaces must be clean, free from standing water and all loosely adhering particles. Cement laitance should be removed, by mechanical means (i.e. sand blasting).

### 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 brushed, 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 TOOLS

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

## 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.

## 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.

## ECOLOGY, HEALTH AND SAFETY

**Ecology:** In liquid state water polluting

**Transportation class:**

- Comp A: Non-hazardous
- Comp B: Hazardous refer to safety data sheet

**Waste disposal:** According to local law

**Important notes:** Product may cause irritations. Wear gloves and goggles. If the material is accidentally splashed into the eyes, flush immediately with water and seek medical attention without delay.

**Toxicity:** Comp B may cause burns and damage to eyes

## 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,  
Tel: (84-251) 3560 700  
Fax: (84-251) 3560 699  
sikavietnam@vn.sika.com  
vnm.sika.com



Product Data Sheet  
Sikadur®-732  
March 2017, Version 01.01  
020204030010000131

Sikadur-732-en-VN-(03-2017)-1-1.pdf

