

# Sikadur® -32

## Epoxy Resin Bonding Agent

|                              |  |         |                                       |
|------------------------------|--|---------|---------------------------------------|
| <b>Product Description</b>   | Sikadur® -32 is a solvent free, two component, bonding agent, based on selected epoxy resins.<br>Complies to: ASTM C 881 type II, Grade 2 Class B+C  |         |                                       |
| <b>Uses</b>                  | Sikadur® -32 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 to existing concrete is carried out.<br>Sikadur® -32 can also be used as a bonding agent on: mortar, steel, iron etc.   |         |                                       |
| <b>Advantages</b>            | Sikadur® -32 is available in two different grades of reactivity: normal and long pot life. Other benefits are: <ul style="list-style-type: none"> <li>■ Easy to apply.</li> <li>■ Solvent-free.</li> <li>■ Unaffected by moisture.</li> <li>■ Highly effective, even on damp surfaces.</li> <li>■ Workable at low temperatures.</li> <li>■ High tensile strength.</li> </ul> |         |                                       |
| <b>Product Data</b>          |  |         |                                       |
| <b>Colour</b>                | Light Grey.  |         |                                       |
| <b>Packaging</b>             | 5 kg units (A+B).  |         |                                       |
| <b>Storage</b>               | Store at temperatures between +5°C and +30°C, in dry conditions.   |         |                                       |
| <b>Shelf Life</b>            | 24 months from date of production if stored properly in original unopened packing.   |         |                                       |
| <b>Technical Data</b>        |  |         |                                       |
| <b>Density ( 20° C )</b>     | 1.4 kg/l.  |         |                                       |
| <b>Mechanical strengths:</b> | ■ Compressive strength   | 60-70   | N/mm <sup>2</sup> .                   |
|                              | ■ Flexural strength  | 30- 35  | N/mm <sup>2</sup> .                   |
|                              | ■ Tensile strength   | 18 -20  | N/mm <sup>2</sup> .                   |
|                              | ■ Bond strength to concrete  | 2.5 -3  | N/mm <sup>2</sup> (concrete failure). |
|                              | ■ Bond strength to Steel   | 18 -20  | N/mm <sup>2</sup> .                   |
|                              | (Normal: 20°C, 65% r.h.. 10 days: L.P.: 35°C).   |         |                                       |
| <b>Application</b>           |  |         |                                       |
| <b>Coverage</b>              | 0.3 - 0.8 kg/m <sup>2</sup> , depending on substrate condition.  |         |                                       |
| <b>Surface preparation</b>   | All surfaces must be clean, free from frost standing water and all loosely adhering particles.<br>Cement laitance must be removed and the surfaces to be treated must be mechanically roughened.   |         |                                       |
| <b>Mix Ratio</b>             | Parts by weight: Comp. A: B = 2: 1.  |         |                                       |
| <b>Mixing</b>                | Mix components (A + B) together with a mixing paddle attached to a slow speed electric drill (max. 600 R.P.M.) until the material become smooth in consistency.<br>Avoid entrapping air.   |         |                                       |
| <b>Application</b>           | After mixing apply directly to the prepared substrate by brush, roller or spray. On damp surfaces, ensure that it is well brushed in.<br>Pour new concrete within specified open time, as long as material is still tacky.   |         |                                       |
| <b>Cleaning</b>              | Clean all tools and equipment immediately after use with Sika® Colma-Cleaner.  |         |                                       |
| <b>Pot Life</b>              | °C Type  | Normal  | L.P.                                  |
|                              | 40   | -       | 20 min.                               |
|                              | 30   | 15 min. | 40 min.                               |
|                              | 20   | 25 min. | 90 min.                               |
|                              | 10   | 60 min. | -                                     |
|                              | 5  | 120min. | -                                     |
| <b>Open Time</b>             | °C Type  | Normal  | L.P.                                  |
|                              | 40   | -       | 4 hrs.                                |
|                              | 30   | 1 hrs.  | 8 hrs.                                |
|                              | 20   | 3 hrs.  | -                                     |



## Safety Instructions

|                           |   |
|---------------------------|---|
| <b>Ecology</b>            | In liquid state components (A + B) contaminate water. Do not dispose of into water or soil but according to local regulations.  |
| <b>Transport</b>          | Comp. (A): Non-hazardous.<br>Comp. (B):8/65c).  |
| <b>Safety precautions</b> | If splashed onto skin, take off immediately all contaminated clothing. Wash contaminated skin with plenty of soap and water. In contact with eyes or mucous membrane flush immediately with plenty of water and seek medical attention without delay. |
| <b>Toxicity</b>           | Class. 4, under the relevant Swiss health and safety codes.   |

## 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 products when properly stored, handled and applied under normal conditions. 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the technical data sheet for the product concerned, copies of which will be supplied on request.

For further technical information, please consult our technical service department.



**Sika Egypt for Construction Chemicals**  
 El Abour City  
 1<sup>st</sup> industrial zone (A)  
 Section # 10 Block 13035,  
 Egypt

Tel :+202- 6100714/15/16/17/18  
 Fax :+202- 6100759  
 Mob :+2012- 3908822/55  
 www.sika.com.eg

