

# Sikadur®-32

## Epoxy Resin Bonding Agent

<b>Product Description</b>	<b>Sikadur®-32</b> is a solvent-free, two component bonding agent, based on selected epoxy resins. Suitable for use in tropical and hot climatic conditions.
<b>Uses</b>	<b>Sikadur®-32</b> 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. <b>Sikadur®-32</b> can also be used as a bonding agent on: mortar, steel, iron etc.
<b>Advantages</b>	<b>Sikadur®-32</b> 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>

### Product Data

<b>Type</b>	Epoxy Resin and Curing Agent
<b>Form</b>	Light Grey
<b>Packaging</b>	5 kg units (A+B)
<b>Storage Condition</b>	Store in a dry area between 5°C and 35°C. Protect from direct sunlight
<b>Shelf life</b>	12 months minimum from production date if stored properly in original unopened packaging

### Technical Data

<b>Mixing ratio</b>	Parts by weight: Comp. A : B = 2 : 1
<b>Density</b>	Approximately 1.4 kg/lit
<b>Coverage</b>	0.3 - 0.8 kg/m <sup>2</sup> , depending on substrate condition.
<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)



Pot Life	Test-Temperature	Type Normal	Type L.P
	40° C	-	20 min
	30° C	15 min	40 min
	20° C	25 min	90 min
	10° C	60 min	--
	5° C	120 min	--

Open Time	Test-Temperature	Type Normal	Type L.P
	40° C	--	4 hrs
	30° C	1 hrs	8 hrs
	20° C	3 hrs	--

### Application Details

**Substrate preparation** All surfaces must be clean, sound, free from dust, grease, oils, standing water and all loosely adhering particles. Cement laitance must be removed and the surfaces to be treated must be mechanically roughened. Concrete must be at least 3 weeks old, depending on climate. Metal surfaces (steel and iron) should be free from scale, rust, oil and grease.

**Mixing** Mix components A+B together with a mixing paddle attached to a slow speed electric drill (maximum 600 rpm) until the material becomes smooth and homogeneous in consistency. Avoid entrapping air.

**Application** After mixing, apply directly to the prepared substrate by brush, roller or spray. On damp surfaces, ensure that it is well brushed into the substrate. Pour new concrete within the specified open time and as long as the **Sikadur®-32** material is still tacky.

**Cleaning** Clean tools with Colma Cleaner or other suitable solvent (Toluol, Xylene) before hardening of the adhesive. Hardened adhesive can only be removed mechanically.

**Notes** 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.

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