

# PRODUCT DATA SHEET

## Sikadur<sup>®</sup>-732

### EPOXY RESIN BONDING AGENT

#### DESCRIPTION

Solvent-free, thixotropic, 2-component structural epoxy resin adhesive. Sikadur<sup>®</sup>-732 provides a perfect bond for new concrete surface to old concrete.

#### USES

Sikadur<sup>®</sup>-732 may only be used by experienced professionals.

- To bond fresh, plastic concrete to hardened concrete and steel.
- Grout bolts, dowels, and pins, etc.
- Structural adhesive for concrete, masonry, metal, wood. etc

#### CHARACTERISTICS / ADVANTAGES

- High strength bonding / adhesive
- Excellent adhesion to most structural materials
- High early and final strength
- Highly effective on dry surface

#### PRODUCT INFORMATION

Packaging	5 kg set
Colour	Concrete grey
Shelf Life	24 months from date of production
Storage Conditions	Store in original, unopened, sealed and undamaged packaging in dry conditions at temperatures between +15 °C and +30 °C. Protect from direct sunlight.
Density	~1.45 kg/L

#### TECHNICAL INFORMATION

Compressive Strength	7 days	~60.0 N/mm <sup>2</sup>	(ASTM D-695)
	28 days	~63.0 N/mm <sup>2</sup>	
Tensile Strength in Flexure	28 days	~39 N/mm <sup>2</sup>	(ASTM D-790)

<b>Tensile Adhesion Strength</b>	28 days	~2 N/mm <sup>2</sup> (Concrete failure, over mechanically prepared concrete surface grade K400)
	28 days	~12 N/mm <sup>2</sup> (Steel surface blast cleaning to SA 2 ½)
<b>Coefficient of Thermal Expansion</b>	-20 °C to +40 °C	50 x 10 <sup>-6</sup> per °C

## APPLICATION INFORMATION

<b>Mixing Ratio</b>	Comp. A : B = 2 : 1 by weight/volume
<b>Consumption</b>	0.3–0.8 kg/m <sup>2</sup> , depending on substrate condition
<b>Pot Life</b>	35 min (at +30 °C)

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Surface must be clean and sound. It may be dry or damp, but free of standing water. Remove dust, laitance, grease, curing compounds, impregnation, waxes, foreign particles, disintegrated materials.

#### Preparation work

Concrete - Sandblast or use other approved mechanical methods.

Steel - Should be cleaned and prepared thoroughly by blast cleaning or other equivalent mechanical means to completely remove oil, grease, dirt, rust scale and foreign matter from the surface.

### MIXING

Pre-mix each component. Proportion 2 part Component A to 1 part Component B into a clean pail. Mix thoroughly for 3 minutes with a paddle on low - speed (400-600 rpm) drill until uniform in color. Mix only that quantity that can be used within its pot life.

### APPLICATION METHOD / TOOLS

To bond fresh concrete to hardened concrete. Apply by brush, roller or broom, place fresh concrete while Sikadur-732 is still tacky.

## 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.

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## 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.

## 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 Safety Data Sheet (SDS) 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 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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