



SikaDur[®] 32

High Performance Epoxy Resin Bonding Agent

Technical Data Sheet

DESCRIPTION

SikaDur 32 is a two component, solvent free, cold cured epoxy bonding agent.

USES

Bonds all types of construction materials such as timber, brick, steel, iron, glass and stoneware.

- * Damp-proof membrane.
- * Bonding bridge.
- * Bearing pads to concrete.
- * Crack injection 5 - 10 mm.

ADVANTAGES

- * Colour coded components to ensure correct mixing.
- * Excellent adhesion even in damp conditions.
- * Easy to apply.
- * Unaffected by moisture.
- * Workable at low temperatures.
- * Solvent free.
- * Damp-proof membrane beneath **SikaTop[®] 77** or **SikaCem[®] 810** screed.

Technical Data (typical)

Colour: Grey (mixed)
Base - white
Hardener - black

Density: 1.4 kg/litre

Application temperatures: +5°C min - +30°C max
(substrate and ambient)

Application thickness: 0.5 mm minimum
1.0 mm maximum

MECHANICAL PROPERTIES

Compressive strength: 70 N/mm²

Flexural strength: 35 N/mm²

Tensile strength: 20 N/mm²

Bond strength: Concrete: typically 2.0 - 3.0 N/mm²
(concrete failure)
Steel: typically 18 N/mm²
(epoxy failure)

Shrinkage: Negligible

Pot life/open time:

Temperature	Pot life (min)	Open time (hrs)
0°C	-	-
5°C	120	>3
10°C	60	>3
20°C	25	3
30°C	15	1

All above values are approximate.

SURFACE PREPARATION

Concrete/Brickwork/Mortar Substrates

Surfaces must be sound, clean, free from frost, oils, grease, standing water and all loosely adhering particles and other surface contaminants.

Cement laitance must be removed

Mechanically prepare surfaces by suitable approved techniques such as needle gunning, scabbling, bush hammering, water/grit blasting etc
Concrete must be at least 3-6 weeks old.
Feather edging should be avoided. The edges should be square cut to at least the recommended minimum application thickness of the product.

Steel Substrate

Prepare surfaces by removing old coatings, rust products, grease, oil etc by suitable mechanical equipment to a bright metal finish. Apply **SikaDur 32** within 4 hours or protect reinforcement with **Sika® Armatec 110 EpoCem®**.

MIXING

Stir component A prior to mixing (resin). The whole of component A (resin) should be mixed with the whole of component B (hardener) for a minimum of 2 minutes using a slow speed electric stirrer (300-600 rpm) and suitable spiral or paddle mixer until a uniform mix and colour is achieved.

APPLICATION

Apply directly to the prepared substrate in a thin layer by brush or roller. Pour new concrete or apply mortar while material is tacky. If **SikaDur 32** dries before application reapply. When used as an impervious barrier apply a minimum of two coats.

IMPORTANT CONSIDERATIONS

- * At higher temperatures pot life will be shortened.
- * At lower temperatures the material will become more difficult to apply and take longer to harden.
- * Wear suitable protective clothing, gloves and eye protection.
- * Do not add solvent to the mix.
- * Always ensure good ventilation when using in a confined space.
- * **Thinner C** is flammable. **NO NAKED FLAMES**
- * Do not mix additional fillers and solvents.

CLEANING

All tools should be cleaned with **Thinner C** immediately after use. Hardened material must be removed mechanically.

PACKAGING

Refer to latest price list.

CONSUMPTION

0.7 kg/m² @ 0.5 mm thickness

Excluding allowances for loss wastage surface profile and porosity.

STORAGE AND SHELF LIFE

Minimum 12 months in sealed containers stored in dry warehouse conditions (+5°C - +25°C).



Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note

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 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.

Please consult our Technical Sales Department for further information

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