

PRODUCT DATA SHEET

Sikadur[®] Epoxy Repair Kit

FAST CURING EPOXY PATCHING MORTAR

PRODUCT DESCRIPTION

Sikadur[®] Epoxy Repair Kit is a quick setting, two part epoxy mortar which can effect overnight repairs to concrete. Dependent upon temperature, strengths in excess of those of 28 day old concrete can be gained within 24 hours. Mainly intended for horizontal surfaces, Sikadur[®] Epoxy Repair Kit bonds tenaciously to concrete, masonry and non-vibrating steel, allowing a hard durable repair to be made without delay. Grey in colour, Sikadur[®] Epoxy Repair Kit has a trowellable consistency and gives a smooth finish.

USES

- Suitable for indoor and outdoor use
- Can be trowelled to a feather edge
- Simple to mix.
- Abrasion, chemical and solvent resistance

CHARACTERISTICS / ADVANTAGES

- Excellent chemical resistance
- Excellent impact and wear resistance.
- Can be laid in thin sections.
- Greater physical strength than conventional cementitious systems.

APPROVALS / STANDARDS

EN1504-3:2005, Non-structural Class R1 Repair Mortar

PRODUCT INFORMATION

Chemical Base	Epoxy resin
Packaging	2 kg tub in 2 components
Colour	Combined – Grey paste
Shelf Life	24 months from date of production if stored properly in original, unopened and undamaged sealed packaging
Storage Conditions	Store in dry conditions at temperatures between +5°C and +35°C.
Compressive Strength	≥10 N/mm ² (MPa)
Tensile Adhesion Strength	≥0.8 N/mm ² (MPa)
Chemical Resistance	Epoxy is resistant to chemicals such as dilute acid and alkali. Strong organic acids will attack the product
Consumption	2kg will cover approx. 0.75m ² @ 2mm thickness
Layer Thickness	Featheredge - 10 mm

Ambient Air Temperature	+5°C min. / +35°C max.
Substrate Temperature	+5°C min. / +35°C max.
Pot Life	+20°C / 50% r.h. - 45 minutes The temperature will affect the pot life. Application at temperatures above +20°C will reduce the pot life and the working time. Temperatures below +20°C will increase the pot life and extend the working time.
Curing Time	12 hours / overnight at >10°C for initial cure / foot traffic. Full cure in 7 days.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

The substrate must be of sound quality and of adequate strength to receive Sikadur® Epoxy Repair Kit. Concrete substrates must be free from dirt, grease, oil, fats, or any other contaminant. To ensure a sound surface, all laitance should be removed by mechanical preparation or grit blasting. Remove dust and thoroughly clean off. New concrete should be at least 28 days old. Very smooth substrates must be prepared mechanically using a suitable abrasive to achieve an open textured surface. Metal – all rust, oil and grease etc. must be removed to leave the metal thoroughly clean and unoxidised.

MIXING

Each pack contains the correct proportion of base and hardener – no attempt should be made to mix only a portion of the pack. Units can be mixed thoroughly by trowel – for larger quantities a suitable mechanical mixer must be used. Cold temperatures can make mixing difficult. We recommend bringing to room temperature and pre-stirring the resin component prior to adding the hardener.

APPLICATION METHOD / TOOLS

Once mixed, Sikadur® Epoxy Repair Kit can be trowelled directly onto the surface without the need for priming. On porous substrates, priming may be required. Apply Sikadur® Epoxy Repair Kit and compact into place, trowel may be moistened with a solvent based wipe (do not use white spirit) to achieve a smooth finish and to stop the material sticking to the trowel. Do not overwet with solvent. Use all mixed material within the pot life period.

CLEANING OF TOOLS

Clean tools with a solvent based cleaner (do not use white spirit) immediately after use.

VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product

may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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 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 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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SikadurEpoxyRepairKit-en-GBEVER-(04-2018)-1-1.pdf

Product Data Sheet
Sikadur® Epoxy Repair Kit
April 2018, Version 01.01
020204030010000094