

PRODUCT DATA SHEET

Sika® Epoxy Mortar Repair Kit

A three-part general purpose repair mortar

PRODUCT DESCRIPTION

Sika® Epoxy Mortar Repair Kit is a three-part general purpose repair mortar based on epoxy resin technology. Sika® Epoxy Mortar Repair Kit is formulated to withstand chemicals, impact and abrasion and can be used to repair concrete, screeds, stone and brick in even the most demanding domestic and commercial situations. Sika® Epoxy Mortar Repair Kit is the ideal product for repairing floors, steps, pipes, kerbs and sills. Sika® Epoxy Mortar Repair Kit is also the ideal choice for repairing cracks in masonry and concrete.

USES

For professional use only in repairs to:

- Heavy traffic areas.
- Steps.
- Walkways/ramps.
- Commercial floors.

PRODUCT INFORMATION

Packaging	4 kg and 14 kg plastic tub.
Colour	Grey
Shelf Life	24 months from date of manufacture in original unopened container.
Storage Conditions	Store in cool, dry conditions between +5 °C and +25 °C away from direct sunlight.
Density	2.03 g/cm ³

TECHNICAL INFORMATION

Abrasion Resistance	High
Compressive Strength	50 N/mm ² at 24 hours (+20 °C) 58 N/mm ² at 28 days (EN 12910)
Modulus of Elasticity in Compression	65.5 N/mm ² (EN 134512)

CHARACTERISTICS / ADVANTAGES

- Excellent chemical, impact and wear resistance.
- Can be laid in thin sections.
- Provides a higher physical strength than conventional cementitious systems.
- Easy to mix.
- Can be applied to damp surfaces.
- Application/curing temperature range +4 to +40 °C.

APPROVALS / STANDARDS

Certified under EN1504-3:2005 Principle 3, Method 3.1. Concrete repair product for non structural repair. PC Mortar (based on epoxy resin).

Tensile Strength	15 N/mm ² @ 7 days (+20 °C)
Tensile adhesion strength	2.2 MPa (EN 1542)
Thermal Compatibility	3.3 MPa under dry cycling (EN13687-4)
Service Temperature	-20 to +50 °C

APPLICATION INFORMATION

Consumption	4 kg of mixed product will cover approximately 0.6 m ² at 3 mm depth. 14 kg of mixed product will cover approximately 2.1 m ² at 3 mm depth.
Pot Life	The pot life of this product is 20-25 minutes at +20 °C. Low temperatures will retard the cure. Do not apply below +4 °C.
Curing Time	Initial: 24 hours. Final: 7 days. Do not traffic for 24 hours.

VALUE BASE

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.

LIMITATIONS

- This product is for professional use only.
- Do not use aggregates other than those supplied.
- Always mix as directed using all three components.
- Do not use where the application could trap moisture within the substrate or in situations where hydrostatic pressure could break the bond.
- Not suitable for food contact areas.
- As the manufacturer cannot know all the uses their products may be put to, it is the users responsibility to determine suitability for use. If in doubt, contact technical services department for advice.

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Ensure surfaces are free from flaking material, dust, rust and grease. Saw/chisel edges to a defined area to a depth of 3 mm. When applying to steel, shot blast, grind, or emery to a bright finish and remove residues.

APPLICATION METHOD / TOOLS

Before use, wear the impervious gloves provided. Add the complete contents of the liquid hardener component (B) into the base resin (A) using the outer bucket as the mixing vessel. Add the aggregate (C) and mix thoroughly using a slow-speed drill and paddle. Apply to surfaces to a minimum depth of 3 mm and maximum 25 mm. Trowel to desired finish with a clean steel trowel. Wipe the trowel intermittently with finishing solvent to reduce drag.

CLEANING OF TOOLS

Clean all tools immediately with Sika® Wonder Wipes, finishing solvent or white spirit before the compound dries.

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.

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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