

## PRODUCT DATA SHEET

# EVERBUILD® EpoxySET 105 Standard Cure

A three-part general purpose repair mortar.

## PRODUCT DESCRIPTION

EVERBUILD® EpoxySET 105 Standard Cure is a three-part general purpose repair mortar based on epoxy resin technology. EVERBUILD® EpoxySET 105 Standard Cure is formulated to withstand chemicals, impact and abrasion and can be used to repair concrete, screeds, stone, brick and steel in even the most demanding domestic and industrial situations. EVERBUILD® EpoxySET 105 Standard Cure is the ideal product for repairing floors, steps, pipes, kerbs and sills. EVERBUILD® EpoxySET 105 Standard Cure is also the ideal choice for repairing cracks in masonry and concrete.

## USES

For repairing:

- Heavy traffic areas.
- Steps.
- Walkways/Ramps.
- Industrial floors.

## PRODUCT INFORMATION

<b>Packaging</b>	4 kg and 14 kg Plastic tub.
<b>Shelf Life</b>	24 months from date of manufacture.
<b>Storage Conditions</b>	Store in cool, dry conditions between 5 °C and 25 °C away from direct sunlight. Keep in original containers.
<b>Colour</b>	Grey
<b>Density</b>	2.03 g/cm <sup>3</sup>

## CHARACTERISTICS / ADVANTAGES

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

**Application / Curing temperature** +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).

## TECHNICAL INFORMATION

<b>Abrasion Resistance</b>	High
<b>Compressive Strength</b>	50 N/mm <sup>2</sup> at 24 hours (20 °C) 58 N/mm <sup>2</sup> at 28 days (EN 12910)
<b>Modulus of Elasticity in Compression</b>	65.5 N/mm <sup>2</sup> (EN 134512)
<b>Tensile Strength</b>	15 N/mm <sup>2</sup> @ 7 days (20 °C)
<b>Tensile adhesion strength</b>	2.2 MPa (EN 1542)
<b>Service Temperature</b>	-20 to +50 °C
<b>Thermal Compatibility</b>	3.3 MPa under dry cycling (EN13687-4)

## APPLICATION INFORMATION

<b>Consumption</b>	4 kg of mixed product will cover approximately 0.6 m <sup>2</sup> at 3 mm depth. 14 kg of mixed product will cover approximately 2.1 m <sup>2</sup> at 3 mm depth.
<b>Pot Life</b>	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.
<b>Curing Time</b>	Initial: 24 hours. Final: 7 days. Do not traffic for 24 hours.

## 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.

## LIMITATIONS

- Always mix as directed using all three components.
- Do not use where application would trap moisture within the substrate or in situations where hydrostatic pressure could break the bond.
- 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 impervious gloves provided. Add the

complete contents of the liquid hardener component into the base resin using the outer bucket as the mixing vessel. Mix in sand thoroughly with a slow speed drill and paddle. Apply to surfaces to a minimum depth of 3 mm; 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 tools with finishing solvent / white spirit.

## 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 exact product data and uses.

## 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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