EVERBUILD® EpoxySET NF

EXPOXY ADHESIVE & BEDDING COMPOUND

PRODUCT DESCRIPTION

EVERBUILD® EpoxySET NF is an epoxy resin bedding compound which has been designed for use where a non-slumping type of epoxy bedding compound is required. It has a CE mark under **Concrete repair product for non structural repair. PC Mortar (based on Epoxy Resin) EN1504-3 (declaration of performance is available upon request / on the Everbuild website www.everbuild.co.uk).** It is a two-pack, fine aggregate filled, fast-curing material, ideal for a variety of bedding, gap filling and concrete repair applications. EVERBUILD® EpoxySET NF is a stiff but easily workable compound that can be applied by either trowel, spatula or knife. It cures to give high mechanical properties typical of epoxy compounds. It is resistant to oils, greases, petroleum, salts, many acids and alkalis and most commonly met corrosive media. It does not shrink on curing, and is designed to be used when cured from 5°C to 60°C. Its impact resistance and mechanical strength is significantly greater than that of concrete.

USES

- For surface repairs of fine cracks and spalls.
- For gap-filling, grouting, bedding fixtures etc.
- For repairs to arrises and edge pieces without the use of formwork.
- Wherever a thixotropic epoxy mortar is required.
- Repairing vertical honeycomb concrete in abutments or overhead repairs on soffits.
- Fixing slip bricks to concrete.
- Securing bolts into walls.
- As a gap-filling adhesive.
- Filling bolt pockets.
- Bedding tiles.
- Repairing concrete posts in situ.

CHARACTERISTICS / ADVANTAGES

- High strength.
- Non-slump.
- Strong adhesion.
- Chemical-resistant.
- Impact-resistant.
- Non-shrink.
- Trowels to a smooth finish.
- Supplied in pre-weighed units.
- No primer required.

Elastic Modulus	<15GPa
Thermal Compatibility: Part 4 Dry Cycling	≥ 2.0MPa
Capillary Adsorption	<0.5kg/m²h $^{0.5}$

PRODUCT INFORMATION

Chemical Base	2-component epoxy based mortar
Packaging	3kg & 10kg pails
Colour	Pale grey
Shelf Life	Use within 24 months.

Storage Conditions	Store in unopened containers in cool, dry conditions at ambient temperatures between 5°C - 35°C (ideally 15-20°C).
Density	ca. 1.80 g/cm^3
Compressive Strength	≤ 0.05%
Tensile Adhesion Strength	≥ 2.0MPa (6.4MPa)
Chemical Resistance	Most aqueous systems, raw sewage, urine ,fresh water, sea water, diluted & concentrated alkalis, diluted acids, mineral, vegetable and animal fats & ammonia.
Layer Thickness	3kg is sufficient to cover 1.1m² at 1.5mm thickness
Ambient Air Temperature	+5°C to +40°C
Pot Life	The pot life of this product is 1 hour / 30mins at 20°C. Low temperatures will retard the cure. Do not apply below 4°C.
Curing Time	Initial cure = 5 hours Full cure = 3-5 days (@ 25°C)

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 3mm. When applying to steel, shot blast, grind, or emery to a bright finish and remove residues.

APPLICATION METHOD / TOOLS

Wear impervious gloves during use. Thoroughly mix components. The pack has been designed to be readily mixable by trowel. Machine mixing is required where more than one pack, or a larger pack, is to be mixed. A portable mixer (HD5 model) is suitable for this. Apply the mixed mortar and trowel to desired finish with a clean steel trowel. Wipe the trowel intermittently with white spirit to reduce drag. Where a very deep recess is to be filled, it may be necessary to build up in layers.

CLEANING OF TOOLS

Clean tools etc with white spirit

LIMITATIONS

▪ Always mix as directed using all 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 user's responsibility to determine suitability for use. If in doubt, contact Technical Services for advice.

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

Consult MSDS for full list of hazards.

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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