

SDG

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STRONGER
TOGETHER
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CONSTRUCTION ACCESSORIES

EPIBEAR DATASHEET

ESSENTIAL COMPONENTS FOR EVERY STAGE OF CONSTRUCTION

Epibear

Epoxy Bearing Mortar

Description

Epibear has been designed to comply with the requirements of EN1504 Part 3 Class R4. Epibear is a three component mortar system consisting of epoxy resin, hardener and specially blended aggregates in pre-weighed quantities ready for site use. Epibear quickly cures, even at low temperatures, to form an exceptionally strong bearing for bridge bearing pad levelling plinths and other load bearing applications.

Advantages

- Rapid strength development
- High compressive, flexural & tensile strengths
- Excellent adhesion to concrete, stone, asphalt & metal
- Excellent abrasion resistance
- Suitable for depths up to 100mm
- Resistant to a wide range of chemicals
- Tolerant to road salts & freeze-thaw
- Tolerant to damp surfaces & will cure in adverse conditions
- Cures fully at temperatures above 5°C
- Non-shrink

Applications

- Production of highway & rail bridge bearing pads
- Production/repair of load bearing plinths

Technical Information

Working time	45 mins
Yield	8.7 litres per 18 kg pack
Coverage	0.8 m ² @ 10 mm per 18 kg
Minimum thickness	5 mm

CE	
Nufins, Kingston House, 3 Walton Road, Pattinson North, District 15, Washington, Tyne & Wear. NE38 8QA 13	
EN 1504-3 Concrete repair product for structural repair	
Compressive strength	Class R4 (>45 MPa)
Chloride ion content	<0.05%
Adhesive bond strength	>2.0 MPa
Adhesion after freeze/thaw	>2.0 MPa
Elastic modulus	>20 GPa
Dangerous substances	Complies with 5.4

Surface preparation

All surfaces should be sound, clean, and free of oil, grease, chemical contamination, old paint and loose debris. They should be free of standing water and be preferably dry.

Concrete surfaces should be free from laitance, this should be removed by either scarifying or etching. Steel surfaces should be cleaned by grit blasting or grinding to remove all loose scale and rust. Once clean, Epicon Tack Coat H should be applied immediately.



The logo for SDG, consisting of the letters 'SDG' in a bold, sans-serif font. The 'S' and 'D' are connected, and the 'G' is separate. The logo is white and set against a dark teal background.

SDG

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