

Product Description

Logco Epibear Floorpatch is a high strength, trowel applied, three component Epoxy resin-based mortar designed for rapid and permanent repairs to concrete and masonry surfaces.

Application

- Do not apply to wet or uncured concrete surfaces.
- Do not apply at temperatures of 3°C or less.

Surface Preparation

- Remove all laitance, spalled concrete, grease, oil, dust, and other contaminants by scabbling or bush hammering, to provide a sound, clean, substrate.
- Any exposed reinforcing steel shall be fully exposed by cutting out around its full circumference, and cleaned by abrading or grit blasting to remove rust, scale, etc.
- Metal substrates shall be degreased, and grit blasted to Sa 2.5 Swedish Standard.

Priming

- The prepared concrete surface shall be primed by the application of Logco Tack primer, which should be brushed well in.
A coat of primer should also be applied to any exposed re-bars.

Mixing

- Logco Epibear Floorpatch is supplied as a three-component pack. Each component is pre-weighed and ready to mix. Pour the contents of the CURING AGENT container into the BASE container and mix thoroughly by mechanical means.
- The mixed resins shall be poured into a suitable mixing vessel and the AGGREGATE added steadily whilst the mixer is in motion. Mix for 2-3 minutes until a uniform consistency is achieved.

Typical Uses

- Repairs to spalled or damaged concrete; chemical bunds; bedding pre-cast concrete beams; nosings on expansion joints; floor repairs. Filling voids and joints where little or no movement is anticipated.
- General repairs to cementitious substrates where strength and chemical resistant properties are essential.

Advantages

- Pre-packed units – ready to use
- Fast curing characteristics
- Impact and abrasion resistant
- Frost resistant and impervious to water
- Excellent mechanical properties
- Unaffected by a wide range of acids, and industrial chemicals
- Negligible shrinkage
- High bond strength
- Cures under damp, cool conditions

Packaging

Logco Epibear Floorpatch is supplied in 7.5kg and 15kg packs.

Application

- Logco Epibear Floorpatch shall be applied whilst the primer is still 'tacky', which is usually between 10 and 90 minutes after primer application.
- Apply the Logco Epibear Floorpatch by tamping and trowelling to ensure good compaction and a tight finish. The material should not be feather edged.
- Maximum thickness in horizontal applications is 50mm.
- For vertical applications the material may be built up in layers not exceeding 6mm (otherwise refer to the Logco HB Mortar product data sheets).

Equipment Cleaning

- Clean equipment with Logco Equipment Cleaner prior to curing of the mortar.

Curing

- Logco Epibear Floorpatch will have hardened sufficiently after 16-24 hours @ 20°C to allow overcoating or full trafficking. Longer periods of cure will be necessary at lower temperatures. Full mechanical and chemical resistant properties will be achieved following 7 days cure @ 20°C.

Technical Data

Specific Gravity	2
Pot Life 20°C	50-60 Minutes
Touch Dry 20°C	8 Hours
Hard Dry 20°C	12 Hours
Shore D Hardness	75
Compressive Strength	72MPa
Tensile Strength	12MPa
Adhesion to Concrete	4.4 MPa (Concrete Failure)
Taber Abrasion Resistance	40mg weight loss (CS17 wheels; 1kg loads, 1000 cycles)
Colour	Grey (Other colour options available)

Coverage

A 7.5kg pack yields 3.75 litres of Epoxy mortar, sufficient for 0.75m² at 5mm thickness.

A 15kg pack yields 7.5 litres of Epoxy mortar, sufficient for 1.5m² at 5mm thickness.

	
Leeds Oil & Grease Co. Ltd, Unit B8, Lowfields Business Park, Warhurst Road, Elland, West Yorkshire, HX5 9DF	
CPR-RBP-005-001 EN1504-3 Structural and non-structural repair 3.1, 7.1 & 7.2	
Compressive strength	≥45MPa
Chloride Ion Content	≤0.05%
Adhesive strength by pull-off test	>2MPa
Thermal Compatibility; Freeze Thaw	≥0.08MPa
Carbonation Resistance	Dk ≤ control concrete
Capillary Absorption (water permeability)	< 0.5kg / m ² .h ⁰⁵)
Durability	Pass
Stiffening Time	Declared Value
Workability	Declared Value

Health & Safety

Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

Note: this information is for general guidance only, since site conditions and labour are beyond our control.

Storage

Store in dry conditions at temperatures between 10°C and 25°C. Avoid low temperature storage prior to use of the material. Do not expose to freezing conditions.

Logco Epibear Floorpatch has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

Important Note

Whilst all reasonable care is taken in compiling technical data on the Company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company.

It is the responsibility of the customer to satisfy himself that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable, and that in the light of our continual research and development programme the information relating to each product has not been superseded.

Technical Services

Logco's Customer Services Department has a team of experienced advisors available to provide on-site advice both at the specification stage and during application. Detailed specifications can be provided for specific projects or more general works. Site visits and on-site demonstrations can be arranged on request.

Technical Helpline
0113 216 8811
E: technical@logco.co.uk

Sales Enquiries

Logco products are distributed throughout the UK through selected stockists and distributors.

Please contact the relevant Customer Services Team below for all product orders and enquiries.

Sales Team
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