

EPIR (CS)

Description

A two component Epoxy, solvent free Resin for re-strengthening and restoration of failed concrete slabs to Category A, BS8204 Part 1, (BRE Screed Tester).

EPIR (CS) is injected into the defective screed, filling voids and binding loose particles together to provide a high strength material.

Uses

To re-strengthen and refurbish failed concrete slabs to a better than new condition with the minimum of down time and disruption to the occupants in heavy use areas such as car parks, hospital corridors, operating theatres and commercial buildings.

To re-bond de-bonded cement/sand and granolithic screeds through Injection / Stitch Pinning methods.

Can be use internally & externally to structurally re-bond cracked and delaminated concrete toppings, while filling porous or honeycombed concrete or grout.

Benefits

- Minimum disruption to occupants
- High speed installation, dramatically shortens overall programme
- Overnight cure for failed sand: cement screeds
- Dust free installations. No disruption or damage to other finishes
- Significantly exceeds BS8204 BRE test Category A requirements for floor screeds
- Guaranteed to BRE Test Category A

Surface Preparation

Any loose debris, dust & laitance must be removed prior to application of EPIR (CS) and following drilling sequence. Should any further contamination such as Oils or Grease be prevalent, then these must be removed by mechanical means.

Please refer to Method Statement for more detailed information on Surface Preparation.

Mixing

A 10kg unit can be readily mixed on site (both components) at the immediate time of application.

Coverage

EPIR @ 1 – 5 kg/m²

Historical records show average consumption for the whole area at 2 – 3 kg/m². Weaker areas of screed may take as much as 5 kg/m², stronger areas as little as 1 kg/m².

Physical Properties

Compressive Strength > 60 N/mm² (BS6319)

Flexural Strength >70 N/mm² (BS6319)

Tensile Strength 60 N/mm² (BS6319)

Abrasion resistance BS8204: Part 2

Adhesion to cement: Sand screed

Greater than cohesive strength of screed. > 1.5 MPa.

Packaging

10 kgs Standard Unit size (A + B Components)

Working Temperature

EPIR (CS) will cure at ambient temperatures.

Tool Cleaning

Clean with Flowsolve Cleaner before the product has hardened.

Health & Safety

Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheets, available from Flowcrete on request and sent with each delivery.

Storage

As with all Resin based products, storage of material should be under cover and out of direct sunlight.

Further Information

Where other products are to be used in conjunction with this material, the relevant technical data sheets should be consulted to determine total requirements. Flowcrete has a wealth of technical & practical experience built up over many years in our pursuit of excellence in flooring and concrete technology.