

SLIPGrip[®]

Rapid Set Epoxy Concrete Floor Repair Mortar



DESIGN

SUPPLY

FABRICATE

INSTALL





Our Rapid Set Concrete Floor Repair Mortar is a heavy duty epoxy mortar which has been formulated to enable the rapid repair of concrete surfaces.

It is a pre-weighed three component system of solventfree epoxy resin and hardener which, when blended withthe aggregate provided, forms a high strength mortar with outstanding adhesive properties.

CHARACTERISTICS

- High strength
- Excellent adhesion to concrete, stone, asphalt andmetal
- Provides a anti-slip surface, with excellent abrasion resistance
- Resistant to a wide range of chemicals
- Tolerant to road salts and freeze-thaw No need for a primer

SUITABLE APPLICATIONS

- ✓ Concrete Floors,
- ✓ Stairs
- ✓ Steps
- ✓ Roads

SUITABLE SUBSTRATES

- ✓ Concrete
- ✓ Stone
- ✓ Asphalt
- ✓ Metal

PREPARATION

- ✓ All surfaces should be clean, free from oil, grease and chemical contamination, free standing water, old paint and loose debris. Oil and grease should be removed.
- ✓ A stronger repair will result if the edges are cut straight with a chisel, angle grinder or similar tool.
- ✓ Steel should be grit blasted or mechanically abraded to a clean bright finish.

MIXING

- ✓ This should be carried out using a hand held drill & whisk.
- ✓ The Rapid Set Concrete Floor Repair Mortar base and hardener components should be thoroughly mixed in the base container. In cold conditions, it will greatly aid mixing if the materials are stored in warm conditions.
- ✓ Once the base and hardener are thoroughly mixed they should be transferred to a bucket and the aggregate added slowly. Mix thoroughly for 3-4 minutes until a homogenous mix is obtained.

APPLICATION

Once mixed the Rapid Set Concrete Floor Repair Mortar should be applied by either a steel trowel or float, working the mortar into the substrate to ensure maximum distribution of the resin/hardener. The surface can then be brought to the required finish using a steel float after the mortar has been well compacted.

Finishing is simplified by wiping of the trowel face using a cloth dampened with SlipGrip Tool Wash. On thicker sections the material should be compacted in layers, not exceeding 25mm.

All tools and equipment should be cleaned immediately using our SlipGrip Tool Wash.

TECHNICAL DATA

Appearance:	Grey Resinous Mortar
Typical compressive strength at 20°C:	1 day: >20N/mm2 7 days: >35N/mm2 28 days: >45N/mm2
Curing Times 23°C Compressive Strength EN12190 50:	50 MPa - 4 hours 60 MPa - 6 hours 75 MPa - 24 hours 87 MPa - 3 Days 90 MPa - 7 Days
Tensile Strength:	13 MPa
Flexural Strength:	26 Mpa
Modulus of Elasticity, In Flexure:	20GPa
Modulus of Elasticity:	20GPa
Adhesion - Concrete:	≥ 2.0 MPa
Adhesion after thunder showers:	≥ 2.0 MPa
Skid Resistance:	Class 1
Capillary absorption:	≤ 0.5 kg/m2/h-0.5
Set time to allow traffic:	3 hours at 20°C
Working Time:	45 minutes
Full Cure:	7 days
Coverage:	1m² per 10kg @ 5mm, 0.5m² per 5kg @ 5mm
Minimum Thickness:	3mm
Minimum Cure Prior To Stress:	4 hours 23°C
Cracking tendency:	No cracking after 180 days
Carbonation resistance:	Passes
Technical data shown are statistical results and do not correspond to guaranteed minima. Tolerances are those described in appropriate performance standards.	

MAINTENANCE

Remove any excess with a scraper and wash tools before the product sets.

Resists - Rapid Set Concrete Floor Repair Mortar will resist oils and grease.

Packaging - 20kg and 5kg units.

HEALTH & SAFETY

Rapid Set Concrete Floor Repair Mortar, like similar products, is capable of irritating unprotected skin. We therefore recommend the use of a suitable barrier cream and that gloves be worn.

Limitations - Do not apply below 5°C. At low temperatures below it is necessary to aid curing by the use of tenting and warm air blowers.



These instructions are to be used as a guide. Always employ safe practices. It is recommended to first test the suitability of any product on a small area before carrying out a full application.



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