

# ***SLIPGrip<sup>®</sup>***

Rapid Set Concrete Floor Repair Mortar - Cold Cure



DESIGN

SUPPLY

FABRICATE

INSTALL



Our Rapid Set Concrete Floor Repair Mortar Cold Cure is a general purpose rapid setting concrete repair mortar, ideal for application in low temperature areas.

The cold cure repair is a pre-packed shrinkage compensated, cementitious bedding mortar characterised by its rapid strength gain which enables work to be carried out with the minimum of disruption.

## CHARACTERISTICS

- Rapid setting characteristics
- Low water/cement ratio
- Shrinkage compensated
- Excellent adhesion to dense concrete and steel
- Simple to use, only requires the addition of clean water
- Excellent workability and finishing properties
- May be used down to 3°C
- Resistant to freeze/thaw cycle

## SUITABLE APPLICATIONS

- ✓ Concrete
- ✓ Steel

## SUITABLE SUBSTRATES

- ✓ Areas with cold weather conditions
- ✓ Refrigerated areas

## PREPARATION

- ✓ The substrate must be clean and sound, hence all grease, oil, dust and laitance must be removed by scarifying.
- ✓ Thoroughly moisten surface but ensure no free water remains.

## MIXING

- ✓ Rapid Set Concrete Floor Repair Mortar Cold Cure should be mixed using a forced action mixer.
- ✓ The mixing drum should be pre-wetted and any remaining water drained away.
- ✓ Add the water to the mixing drum and gradually add all of the powder component whilst the drum is turning.
- ✓ Continue mixing for two minutes to produce a hydrated and cohesive mortar which is ready for immediate use.
- ✓ Place the mixed mortar to the desired thickness, allowing for compaction and bed the component. Minimum bed thickness 10mm.
- ✓ Finish as required and clean all equipment immediately with water.

## APPLICATION

Once mixed the Rapid Set Concrete Floor Repair Mortar Cold Cure 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 Powder
Mixing water:	2.2-2.85 Litres per 25kg
23°C Compressive Strength EN12190 50	8 MPa - 1 hour 30 MPa - 2 hours 40 MPa - 4 hours 50 MPa - 24 hours
Tensile Strength:	>3.0 MPa
Flexural Strength:	10 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
Yield:	12 litres per 25kg pack
Layer Minimum Thickness:	10mm
Working Time:	10-15 minutes
Full Cure:	7 days
Density:	2350 kg/m <sup>3</sup> Yield
Water addition:	2.2-2.6 litres per 25kg pack
Water/cement ratio:	0.36 at 2.85 Litres per 25kg
Capillary absorption:	≤ 0.5 kg/m <sup>2</sup> /h-0.5
Technical data shown are statistical and do not correspond to guaranteed minima. Tolerances are those described in appropriate performance standards. 1 N/mm <sup>2</sup> = 1 MPa 1 kN/mm <sup>2</sup> = 1 MPa	

## MAINTENANCE

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

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

Packaging - Packed in 25kg units.

## HEALTH & SAFETY

Rapid Set Concrete Floor Repair Mortar Cold Cure does not present any undue hazard and is non-toxic. However, as it is alkaline, gloves should be worn and any material should be washed from the skin and eyes before it dries with clean water.

The normal standards of hygiene should be observed and the use of a barrier cream is advisable.

Limitations -The minimum application thickness should be 10mm. Minimum application temperature is 3°C. For low temperature applications ensure the substrate has not frozen. 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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