

**RM50D | Epoxy Deep Fill Repair Mortar | Cold Cure**



*While care is taken with the colour samples shown, no guarantee can be given that they represent exactly the colours offered.*

**Description**

Rizistal RM50D Deep Fill Epoxy Repair Mortar Cold Cure is designed specifically to infill deep holes, damaged areas and build up unlevel surfaces of masonry, ceramic and concrete floors.

**Benefits**

This cold curing mortar allows repair in very cold conditions.

A combination of latest technology epoxy resins and hard mineral aggregates, producing exceptional abrasion and impact resistance.

Excellent chemical resistance to both acid and alkali based chemicals.

Available in natural aggregate colour or mid grey.

**Coverage**

Approx. 0.23m<sup>2</sup> per 10kg and 0.45m<sup>2</sup> per 20kg at 20mm thick.

**Storage**

Store at an ambient temperature above 5°C and at above 12°C for approximately 8 hours prior to use.

**Surface Preparation**

Break away all loose or friable material from the repair area with hammer and chisel or similar.

Surfaces should be clean, dry and free of contaminants. Wire brushing or sweeping is generally sufficient.



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### Priming

A primer coat is not essential for deep hole or crevice repairing. However, Epoxy Tack Coat Primer is recommended when applying Epoxy Deep Fill Repair Mortar where the substrate surface is very porous or weak, or when applying to very smooth, non-porous or metallic surfaces.

If the surface is damp, it can be primed with Epoxy Tack Coat Primer for Damp Conditions.

### Working Time

20 to 40 minutes depending on ambient temperatures. If the material is used past these times it will become difficult to use and adhesion will be reduced.

### Curing Time

After installation, this product must be kept clean and dry for 12 to 18 hours (depending on ambient temperatures), otherwise the product performance will be seriously affected, which may result in discolouration and lack of cure.

Will accept light traffic 4 to 6 hours and heavy traffic after 12 hours at 0 to 10°C. Not suitable for use at temperatures lower than 0°C.

### Mixing

Each pack contains aggregate, fibres, epoxy resin and curing agent. If the entire pack cannot be used within 40 minutes the products can be part mixed.

To split a pack, carefully halve the aggregate / resin / hardener (ideally divide it by weight). Wear protective gloves and safety glasses.

Tip the aggregate on to a mixing tray or board. Empty the containers of epoxy resin and curing agent into the resin bucket and mix thoroughly until the liquid is a uniform colour, form the aggregate into a mound on the mixing tray and leave a void in the middle.

Empty the mixed resin and curing agent into the middle. Carefully mix the aggregate with the resin / curing agent mix using a trowel or electric drill fitted with a Mixing Paddle (sold separately) until a smooth mortar is obtained. This may take several minutes.

The more thorough the mixing, the easier the mortar will be to use. It is important to mix thoroughly until you achieve a consistent material.

Once mixed, the product can be trowelled firmly against the surface to be repaired and finished with a steel trowel or float.

### Installation

Trowel firmly against the surface to be repaired, and finish with a trowel or steel float. To prevent 'drag' on the trowel moisten a rag with Rizistal Safer Solvent and wipe it across the blade which will ensure that you create a smooth finish.

### Application Thickness

Can be applied in thicknesses of 20mm to 150mm in one application.

### Finish

Epoxy Deep Fill Repair Mortar will leave a coarse finish on the surface after trowelling and cannot be feather edged around perimeters. This is due to aggregate sizing and fibres.

If a smooth, feather edged finish is required, leave the repair area 6mm to 10mm below the required surface level and apply a second finishing layer of Rizistal Enhanced Series Epoxy High Performance Repair Mortar.

### Cleaning Equipment

Equipment used for mixing and applying Epoxy Deep Fill Repair Mortar should be wiped clean with Rizistal Safer Solvent or a similar solvent before the mortar cures.

### Shelf Life

An unopened pack will last 12 months.

### Safety

Avoid contact with the skin. Barrier creams or gloves are should be used. Cleansing creams should also be used after accidental contact with the skin and / or washing with plenty of soap and hot water.

Accidental contact with the eyes should be treated by flushing with water and medical advice sought.

A detailed Material Safety Data Sheet is available which contains further advice.

### General Maintenance

When fully cured, acid and alkali detergents or degreasers may be used to clean the surface. Always follow manufacturer recommendations.

**RM50D | Epoxy Deep Fill Repair Mortar | Cold Cure****Ordering**

Available from Rizistal online at [www.rizistal.co.uk](http://www.rizistal.co.uk).

All Rizistal products are sold subject to Rizistal's terms and conditions of sale.

For help and expert technical advice, please contact the Rizistal Support Team, who are backed by many years of experience within the flooring industry; [enquiries@rizistal.co.uk](mailto:enquiries@rizistal.co.uk).

**Contracting Service**

Rizistal offers a contracting service via their sister company, John Lord Specialist Flooring, who operate throughout the UK, using their own highly experienced teams.

Rizistal will be happy to provide quotations for any large project, involving their repair and protect products. Email us your project details so a member of the Contracting Team can contact you to discuss your requirements, and see if it fits within the John Lord Contracting minimum criteria.

