

EC250 | Gloss Epoxy Paint | 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 EC250 Gloss Epoxy Paint Cold Cure provides protection to masonry, ceramic and concrete floors from oil and chemical contamination.

The high build formulation ensures a good film thickness, reducing the number of required coats.

**Benefits**

Excellent wear and abrasion resistance.

Excellent chemical resistance to both acid and alkali based chemicals.

Match an existing coloured floor or complement company branding colours.

Virtually solvent free.

**Coverage**

Approx. 19m<sup>2</sup> to 21m<sup>2</sup> per 5kg and 38m<sup>2</sup> to 42m<sup>2</sup> per 10kg over polished concrete.

One coat is generally sufficient for many applications.

**Storage**

Store at an ambient temperature above 5°C.



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### Surface Preparation

#### CONCRETE

Concrete to be treated must be dry and cured for a minimum of 4 weeks. Concrete must be free of any surface laitance, contaminants, and have an effective DPM to prevent rising dampness.

All loose or friable surface material should be removed. Hand floated or power floated concrete or any concrete with a smooth surface should be abraded prior to floor coating application to provide a key to ensure that the coating bonds well.

All dust should be vacuumed away prior to application. Grease or oil should be removed with a proprietary degreasant and the area thoroughly hosed off and allowed to dry. Smooth previously painted surfaces should be abraded thoroughly to provide a key for adhesion.

#### METAL

Remove friable or flaking rust and any previous coatings by wire brushing or angle grinding fitted with an appropriate cup wire or carborundum head to achieve a bright surface.

Grease or oil should be removed with a proprietary degreasant and the metal then washed with water and allowed to dry. Coating should be carried out immediately before flash rusting occurs.

### Working Time

20 to 30 minutes depending on ambient temperatures. Higher ambient temperatures will reduce the pot life. Always decant into a shallow tray, to extend working time.

### 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.

This product will cure overnight at 5°C to accept light traffic the next day. Full chemical and wear resistance is achieved over 5 to 7 days in similar ambient temperatures.

Temperatures below 5°C will slow down the curing of the product. Temperatures below 0°C will arrest curing. Water or chemicals should not be allowed to lie on the surface for at least 7 days. Avoid washing the floor for 7 days after coating.

### Mixing

Empty all of the contents of the smaller hardener tin into the larger resin tin, taking care to scrape the entire contents.

Mix the components together very thoroughly using a Rizistal Mixing Paddle attached to an electric drill. Continue mixing until an even colour and consistency is obtained. Do not mix more than one unit at a time.

### Installation

For best results mix and install at temperatures above 5°C but no lower than 0°C. Apply the entire pack using a medium, non shedding pile roller (not foam) in one coat.

### Chemical Resistance

This floor coating cures to a very hard, impervious, gloss finish that will resist strong acid and alkali based chemicals. As with all high build gloss paint systems, scratching of the surface could occur due to movement of point loads and impacts.

### Temperature Resistance

Will withstand temperatures up to 60°C in both operating and cleaning activities.

### Hazards

Once the contents of the pack have been mixed a chemical reaction takes place which creates heat (exotherm), and the product should therefore be used immediately.

Food products must be removed from the area during application and cure, to avoid the risk of taint.

The smooth coating can become slippery under certain conditions, therefore the Anti Slip version is recommended for slippery areas.

### Cleaning Equipment

Equipment used for mixing and applying the Epoxy Floor Coating should be wiped clean with Rizistal Safer Solvent or a similar solvent before the product cures.

### Shelf Life

An unopened pack will last 12 months.

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**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.

**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; [support@rizistal.co.uk](mailto:support@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.