



# TECHNICAL DATA

## Epoxy Clear Coating

### ***Epirez® 113***

#### **Description**

**Epoxy Clear Coating (113)** is a durable two part clear epoxy sealer designed to provide abrasion and chemical resistant to concrete floors. **Epoxy Clear Coating (113)** cures to a smooth, glossy finish which allows for easy cleaning but can also have an 'anti-slip' feature by incorporating **Epirez® Patching & Flooring Mortar Aggregate (QA2)**.

**Epoxy Clear Coating (113)** provides an excellent economical hardwearing dust sealer for a wide range of industrial applications.

#### **Areas of Application**

Warehouse floors  
Chemical plants  
Textiles & Paper industries

Laboratories  
Canneries  
Workshops floor

#### **Features**

Excellent wear resistance  
Superior to chlorinated rubber  
Excellent chemical resistance

Easily cleaned  
Easy application  
Economical

#### **General Properties**

Finish	: Clear Gloss
Mixing Proportions	: Equal parts hardener and compound by volume
Solids Content	: 50%
Work Time	: 6-8 hours at 25°C
Tack Free Time	: 1-2 hours at 25°C
Recoat Time	: Overnight (8 - 24 hours)
Full Cure	: 7 days at 25°C
Thinning	: Not required
Abrasion Resistance	: Very good
Chemical Resistance	: Resists splash and spillage of a wide range of chemicals
Temperature Resistance	: Up to 100°C dry

The information contained in this Technical Bulletin is as up to date and correct as possible as at the time of issue. The data provided should be used as a guide only as the performance of the product will vary depending on differing operating conditions and application methods.

The sale of any product described in this Technical Bulletin will be in accordance with ITW Polymers & Fluids Conditions Of Sale, a copy of which is available on request. To the extent permitted by law, ITW Polymers & Fluids excludes all other warranties in relation to this product.

## Estimating Data

1 Litre Epoxy Clear Coating (113) = 8 m<sup>2</sup> at 62µm DFT

## Application Directions

### Surface Preparation

#### Concrete

Remove old paint and all loose material. New concrete must be at least 28 days old. Remove any oil or grease contamination by washing with a suitable degreaser. Hose off with high pressure water. Captive blast clean to expose firmly held aggregate. Allow to dry before application.

Alternatively, acid etch using **Epirez® Concrete Etch & Cleaner** in accordance with its application instructions.

Surface preparation guidelines cannot cover all site or field contingencies and it is always recommended that an on-the-spot adhesion test be performed as part of the Standard Quality Assurance audit for the project.

### Application

Pour all the Hardener into the Compound container. Mix thoroughly using a stirrer fitted to a low speed (400 rpm) power mixer. Ensure that all the material on the sides and on the stirrer are incorporated. Take care to avoid air entrapment into the mixture.

**Epoxy Clear Coating (113)** can be applied by brush, roller (short nap) or spray. Typical spray system could be a Samson S51 spray gun with AO72/AP21 set up, using a 180 kPa pot pressure and 400 kPa atomising pressure.

Apply in two coats at an application rate of 8m<sup>2</sup> per litre per coat. Allow minimum of 8 hours and maximum of 24 hours before coating. The floor is suitable for light foot traffic in 24 hours but maximum chemical resistance is achieved in seven days.

On some very porous surfaces, a third coat may be required to achieve the desired surface finish. For extra non-slip finish broadcast **Patching & Flooring Mortar Aggregate (QA2)** between coats using 'spread & sprinkle' method.

**Epoxy Clear Coating (113)** can also be used an economical and more durable alternative to chlorinated rubber coatings.

**Epoxy Clear coating (113)** can be applied as a single application sealing coat to reduce concrete dusting and resists oil spills. However, as with any single coat system the floor finish can vary considerably due to surface finish and porosity of the concrete floor. If finish uniformity is critical then use **Supatuff High Duty Epoxy Coating (HD)**.

### Cleaning

Tools and equipment may be cleaned before hardening commences by washing with **Epirez® Clean Up Solvent**. Do not use for cleaning hands or mixing with product.

### Maintenance

To maintain a good appearance and ensure a long serviceable life, it is important that good housekeeping procedures are always maintained.

Cleaning can be done with a brush or auto scrubbing machine. Use a low residue detergent that is neutral in pH.

**Note:** It is important that manufacturer's instructions on dilutions of cleaning solutions are followed.

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## Limitations

**Epoxy Clear Coating (113)** should not be applied at temperatures below 10°C or above 40°C.

## Storage and Shelf Life

Store in dry conditions between 10°C and 30°C, away from sources of heat and naked flames. Protect from frost. When stored in original sealed containers the minimum shelf life is 2 years.

## Packaging

**Epoxy Clear Coating (113)** is available in 40 litre packs containing Hardener and Compound in correct proportions for use.

## Ordering Information:

40 Litres #E901131

## Safety Precautions

Follow normal precautions. Contents are flammable. Keep contents away from children. If swallowed, call a Doctor or Poisons Information Centre. When mixing or using, avoid skin contact or breathing of vapours. If splashed on skin, wash with soapy water. During application, wear protective clothing and where necessary, goggles and mask or respirator. Provide adequate fresh air ventilation.

**TDG Code:** Hardener – UN 1760 Compound – Not Classified

## Note

The figures quoted for coverage, re-coat times and cure times are not definitive. They are dependent on job site conditions and will vary accordingly. In all cases we endeavour to provide typical figures for use as a guide.

## Health & Safety Information

The product is hazardous. A Material Safety Data Sheet is available from the ITW Polymers & Fluids Technical Department upon request or available on our website [www.epirez.com.au](http://www.epirez.com.au).

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