

# EPOXY PRIMER / SEALER 123

## Primer, Sealer and Concrete Crack Repair Epoxy

**Description:**

**EPIREZ® Epoxy Primer/Sealer (123)** is solvent free and low in viscosity. It has been developed to offer excellent surface wetting and compatibility with most Epirez binders, coatings and adhesives.

**Epoxy Primer/Sealer (123)** has been specially developed to bond to both dry and damp surfaces.

**Epoxy Primer/Sealer (123)** has a proven history in a variety of applications in the building and construction industry. Field usage is aided by a convenient mixing ratio.

**Intended Use:**

- Primer for porous concrete
- Anti-flash rust primer for blasted steel
- Repairing cracked concrete
- Sealer for floor toppings
- Impregnation of honeycombed concrete
- Primer for concrete repair systems

**Product Features:**

- **Solventless**
- **Low viscosity aids penetration**
- **Fast hardening**
- **Low modulus**
- **Extremely low permeability**
- **Easy mix ratio**

**Typical Physical Properties:**

|                                        |                            |
|----------------------------------------|----------------------------|
| Shelf Life                             | 2 Years                    |
| Appearance of Hardener                 | Thin Amber Liquid          |
| Appearance of Compound                 | Amber Liquid               |
| Mixing Proportions by Weight or Volume | 1 Hardener to 2 Compound   |
| Initial Mixed Viscosity                | 0.3 Pa.s at 25°C           |
| Solids Content                         | 100%                       |
| Work Time                              | 30 Minutes at 25°C         |
| Hardening Time                         | 24 Hours at 25°C           |
| Density                                | 1.08 g/cm <sup>3</sup>     |
| Water Permeability                     | 4 x 10 <sup>-17</sup> m/s  |
| Concrete Bond Strength                 | 2.7 MPa (Concrete Failure) |
| Resistance to Chloride Ion Penetration | Good                       |
| Coverage - Concrete                    | 4-8m <sup>2</sup> /Litre   |
| - Steel                                | 10m <sup>2</sup> /Litre    |

**Estimating Data:**

1 litre Epoxy primer and Sealer = 4 – 8 m<sup>2</sup> (concrete)  
= 10 m<sup>2</sup> (steel)

**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.

**Steel**

Ensure that the surface is free from oil and grease. Abrasive blast clean in accordance with Australian Standard AS1627:4 - 2005 to a Class 2 ½ near white metal finish. Coating of the prepared steel should be completed within four hours.

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.

**Mixing Instructions:**

It is strongly recommended that full units be mixed, as ratios are pre-measured.

Proper homogenous mixing of resin and hardener at the correct ratio is essential for the curing and development of stated properties.

Precondition product to between 18 to 25°C before use

- Pour contents of Hardener into Compound container and mix thoroughly for 5 minutes with a suitable blade fitted to a 400 rpm power mixer.
- Ensure all material around bottom and sides of can is incorporated.
- DO NOT AERATE.

Note: Take care to avoid air entrapment into the mix. Keep propeller below liquid line, as additional air can be added to mixture, resulting in air bubbles on the surface of the finished product.

**Application Instructions:**

Pour all the Hardener into the Compound container. Large packs should be accurately proportioned. 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.

Apply by brush, roller or airless spray equipment. Apply any finishing system after the initial prime coat of Epoxy Primer/Sealer (123) is touch-dry (approximately 6 hours at 25°C), but in any case, within 24 hours.

**Clean Up:**

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

**AUSTRALIA**

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|                                         |                                                                                                                                                                                                                                                              |      |         |       |         |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---------|-------|---------|
| <b>Storage:</b>                         | 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 two years.                                                               |      |         |       |         |
| <b>Warranty:</b>                        | Epirez will replace any material found to be defective. Because the storage, handling and application of this material is beyond our control, we can accept no liability for the results obtained.                                                           |      |         |       |         |
| <b>Disclaimer:</b>                      | All information on this data sheet is based on laboratory testing and is not intended for design purposes. ITW Polymers & Fluids and EPIREZ® makes no representations or warranties of any kind concerning this data.                                        |      |         |       |         |
| <b>Order Information:</b>               | <table><tr><td>6Ltr</td><td>E901232</td></tr><tr><td>25Ltr</td><td>E901231</td></tr></table>                                                                                                                                                                 | 6Ltr | E901232 | 25Ltr | E901231 |
| 6Ltr                                    | E901232                                                                                                                                                                                                                                                      |      |         |       |         |
| 25Ltr                                   | E901231                                                                                                                                                                                                                                                      |      |         |       |         |
| <b>Health &amp; Safety Information:</b> | For Health & Safety information, refer to Safety Data Sheet available from ITW Polymers & Fluids upon request or available on our website <a href="http://www.epirez.com.au">www.epirez.com.au</a> or <a href="http://www.epirez.co.nz">www.epirez.co.nz</a> |      |         |       |         |

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