



# BluRez Epoxy 225

## HIGH STRENGTH EPOXY RESIN

BluRez Epoxy 225 is supplied as a two component, low viscosity solventless epoxy system.

### Uses

BluRez Epoxy 225 is suitable for a variety of applications including the preparation of long lasting industrial flooring, general structural applications and concrete restoration.

### Advantages

- High mechanical properties
- Resistant to a wide range of industrial chemicals
- Bonds well to damp surfaces
- Non flammable
- Multi purpose epoxy binder

### Preparation

Concrete should be at least 28 days old. All defective host substrate must be removed prior to application. Defective material includes cracked or structurally weakened surfaces and also chloride contaminated and carbonated concrete. A concrete corrosion expert must be consulted for critical projects or structural applications. Host concrete must be roughened and aggregate exposed to ensure good bond. Grinding, high pressure water blasting or shot blasting of the surface is recommended for this purpose. All surfaces must be free of dust, oils and surface contaminants. This may require steam cleaning or high pressure water blasting if site conditions permit. Prime concrete surfaces using mixed BluRez Epoxy 225 at a rate of 8m<sup>2</sup>/litre. Protect all newly primed surfaces and allow to harden fully, but the next stage should be applied within 24 hours of priming. If this time is exceeded, re-prime.

### Mixing

Use a slow speed (400 rpm) mechanical mixer and mix thoroughly. Add one volume of BluRez Epoxy 225 hardener to three volumes of BluRez Epoxy 225 compound. Mix until uniform. Combine with nominated quantity and grade of aggregate/s slowly, while mixing, until a uniform consistency is obtained. Apply as nominated. Seal all exposed surfaces with BluRez Epoxy 225 at a rate of 8m<sup>2</sup>/litre.

### Application

Select appropriate aggregate mix ratios from the following table:

Flow Characteristics	BluRez Epoxy 225/ Selected Aggregate Volume Ratio	BluRez Epoxy 225 litres/m <sup>3</sup>	Selected Aggregate litres/m <sup>3</sup>
Very fluid	1 : 2	500	1000
Flowable mortar	1 : 3	333	1000
Workable mortar	1 : 4	250	1000





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## Product Data

Please refer to Important Notice on following page

<b>Packaging</b>	8 litre
<b>Ratio</b>	1 part hardener : 3 part compound
<b>Curing Times</b>	24 hours @ 25°C
<b>Solids Content</b>	100%
<b>Compressive Strength</b>	90MPa
<b>Tensile Strength</b>	50MPa
<b>Flexural Strength</b>	75MPa
<b>Hardness (Shore D)</b>	70 - 80
<b>Bond Strength</b>	2.7MPa (due to concrete failure)
<b>Traction Coefficient</b>	>0.5 (typical contamination)
<b>Water Absorption</b>	0.03%
<b>Build Thickness</b>	40mm maximum
<b>Supporting Products</b>	BluRez Epoxy 333/333AR (top coat) Selected dry aggregates
<b>Shelf Life</b>	12 months



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### Contact Bluey

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