



EPIREZ®

# TECHNICAL DATA

## General Purpose Epoxy Grout

### *Epoxy Grout II*

#### Description

**General Purpose Epoxy Grout (II)** is a high strength epoxy based grouting system offering superior performance for structural applications.

**General Purpose Epoxy Grout (II)** provides significant benefits to specifiers and users and is designed for grouting in tight clearances where maximum flow and highest performance are paramount.

#### Areas of Application

- Foolproof grouting in a variety of weather conditions
- Machinery grouting
- Structural anchoring of bolts, inserts, rebar
- Rail anchoring and grouting

#### Features

- Easy mixing - no aggregate required
- Excellent flow
- Bonds to damp surfaces
- Fast hardening
- High mechanical strength
- Excellent chemical resistance
- Suitable for pours\* 10mm to 50mm

\*Dependent on volume of pour, please consult ITW Technical Department for specific recommendations.

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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.

## General Properties

Shelf Life	: 2 Years
Appearance of Compound	: Cream non-settling paste
Appearance of Hardener	: Black thin liquid
Mixing Proportions by Weight	: 1 Hardener to 9 Compound
by Volume	: 1 Hardener to 5 Compound
Density	: 1.6 g/cm <sup>3</sup>
Initial Mixed Viscosity	: 6.8 Pa.s at 25°C
Work Time	: 30 minutes at 25°C
Cure Time	: 24 hours at 25°C
Compressive Strength, Ultimate	: 100 MPa
Compressive Strength - In air	
1 day	: 30 MPa
7 days	: 100 MPa
Compressive Strength – Poured through Hose Underwater	
1 day	: 20 MPa
7 days	: 83 MPa
Compressive Modulus	: 4.0 GPa
Brinell Hardness	: 36
Flammability	: Self extinguishing
Water Absorption (14 Days, 20°C)	: 0.08%
Impact Resistance (Izod)	: 2.5 kg/cm <sup>2</sup>
Dielectric Strength	: 180 kV/cm

## Estimating data

30 kg kit General Purpose Epoxy Grout (II) = 18.7 Litres

## Application directions

New concrete should be at least 28 days old. All surfaces should be clean and free from rust, dust, oil, wax, grease etc. Concrete should be scabbled, if necessary, to remove any weak, crumbly structure. Formwork should be treated for release.

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. Pour mixed material slowly into the prepared void, from one side only, so as to avoid air entrapment. Do not install equipment before full cure is attained.

Surface preparation guidelines cannot cover all site or field contingencies and it is always recommended to perform an on-the-spot adhesion test as a Quality Assurance audit if doubt exists over the process.

## Cleaning

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.

## Limitations

**General Purpose Epoxy Grout (II)** should not be applied at temperatures below 10°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.

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### AUSTRALIA

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### NEW ZEALAND

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East Tamaki 2013, Auckland  
Phone (09) 272 1945 Fax (09) 273 6489

## Packaging

**General Purpose Epoxy Grout (II)** is available in 6 kg and 30 kg packs. Each pack contains Hardener and Compound in correct proportions for use.

### Ordering Information:

6 kg #E991584  
30 kg #E991582

### Note

The figures quoted for work time and curing time 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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