

INSTANT GROUT

Rapid Strength Cement Based Grout

Description: **EPIREZ® Instant Grout** is the fast setting, special cement-based, non-metallic, non-shrink grout. It is a high performing, cement-based precision grout with enhanced chemical resistance.

EPIREZ® Instant Grout is supplied ready-to-use as a dry powdered product requiring only the addition of water.

Intended Use:

- Large, heavy operating equipment – start up in 4 hours
- Precision grouting in cold conditions
- Rapid anchoring
- Fast patching

Product Features:

- **Precision non-shrink**
- **Very rapid strength gain**
- **Highest effective bearing area**
- **Flowable consistency**
- **Chemical resistance superior to concrete**

Typical Physical Properties:	Work Time	10 minutes
	Initial Set	30 minutes at 25°C
	Early Volume Change (ASTM C-827)	0.00% shrinkage
	Effective Bearing Area	95% minimum
	Compressive Strength (AS2073) at	
	2 hours	20.7 MPa
	4 hours	30.2 MPa
24 hours	41 MPa	

Estimating Data: 15kg of Epirez® Instant Grout = 9 litres

Surface Preparation: **Foundation preparation**
 All surfaces should be free from oil, grease, laitance or any loose material. If the concrete surface is loose, defective or has laitance, it should be cleaned to a sound base. Bolt holes or fixing pockets should be blown clean of any dirt or debris.

A minimum of 2 hours prior to grouting, the prepared foundation should be flooded for pre-soaking with fresh water.

Immediately prior to grouting, any standing water should be removed. Inspect pockets and bolt holes for water removal.

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.

Mixing Instructions:**Formwork**

To ensure quick and easy placement of grout, formwork should be placed around baseplate. Formwork should be higher than the underside of the baseplate. Formwork should be well fixed, watertight and treated with a concrete release agent.

Measure the required water according to the desired consistency (1.8 - 2.1 ltrs/15kg pail).

Epirez® Instant Grout should be added slowly to the water and thoroughly mixed to the desired consistency using a high shear mechanical mixer (approximately 400-500 rpm) and mixing paddle. Epirez® Instant Grout should be mixed for 2 minutes after all the powder has been added to the water. Do not exceed 2.10 litres of water per 15 kg pail.

Application Instructions:

Epirez® Instant Grout must be placed within 10 minutes of mixing.

Placement Properties

Epirez® Instant Grout may be mixed to a dry pack, plastic or flowable consistency. It is formulated for rapid placement. Epirez® Instant Grout has the unique and versatile ability to be placed using mechanical devices such as plungers, rods or vibrators to further facilitate placement without compromising the in-place properties.

Epirez Instant Grout may be dry packed, trowelled, flowed or vibrated into place up to 75mm.

Epirez Instant Grout is packaged in 15kg heavy-duty, waterproof plastic pails, producing 8 litres (0.008m³) of hardened grout. For ordering, determine the total number of cubic metres required and add 5% wastage.

Curing:

Epirez Instant Grout should be cured immediately with wet hessian and plastic for a minimum of 3 hours and followed by an approved curing compound.

Clean Up:

Grout should be removed from tools and equipment immediately after use with clean water.

Storage:

Store in dry conditions between 10°C and 30°C. Protect from frost. When stored in original sealed containers, the minimum shelf life is 12 months.

Precautions:

Epirez® Instant Grout should not be applied at temperatures below 10°C. The figures quoted for work time, setting time and strengths 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.

Warranty:

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.

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Disclaimer:	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.
Order Information:	15kg pail E991609
Health & Safety Information:	For Health & Safety information, refer to Safety Data Sheet available from ITW Polymers & Fluids upon request or available on our website www.epirez.com.au or www.epirez.co.nz

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