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

Technical data should be considered representative or typical only and should not be used for specification purposes.

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 4 hours 24 hours	 20.7 MPa 30.2 MPa 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.

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.

MIXING INSTRUCTIONS

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.

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

Item No.	**Package Size**
E991609	15kg pail

CONTACTS

ITW Polymers & Fluids
100 Hassall St Wetherill Park
NSW 2164 Australia
AU Phone: 1800 000 945
itwpf.com.au

ITW Polymers & Fluids
Unit 2 / 38 Trugood Drive
East Tamaki, 2013, Auckland, New Zealand
NZ Phone: 0800 476 265
itwpf.co.nz

EMERGENCY:

AU: 1800 033 111
NZ: 0800 734 607

For Health & Safety information, refer to Safety Data Sheet available from ITW Polymers & Fluids upon request or available on our website.