



EPIREZ

TECHNICAL DATA

Instant Grout

Rapid Strength Cement Based Grout

Description

EpiRez Instant Grout is the new fast setting, special cement-based, non-metallic, non-shrink grout. It is a high performing, cement-based precision grout with enhanced chemical resistance.

Areas of application

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

Features

- Precision non-shrink
- Very rapid strength gain
- Highest effective bearing area
- Flowable consistency
- Chemical resistance superior to concrete
- Meets Corps of Engineers Specification for Non-Shrink Grout, CRD-C621-83

General Properties

Shelf Life	: 12 months, unopened, dry
Work Time	: 15 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

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.

Estimating Data

15 kg of Epirez Instant Grout = 9 litres

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.

Application Directions

Surface Preparation

All surfaces to be in contact with **Epirez Instant Grout** should be entirely free of oil, grease, laitance or other foreign substances. Roughen surface to ensure a good bond to existing concrete. Clean thoroughly with liberal quantities of water, leaving concrete saturated but free of standing water.

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

Measure the required water according to the desired consistency (2.0-2.4 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 2.40 litres of water per 15 kg pail.**

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

Methods of Placing

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

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.

Cleaning

Clean tools and equipment with water immediately after use.

Limitations

Epirez Instant Grout should not be applied at temperatures below 10°C

Storage and Shelf life

When stored in original sealed containers under dry conditions shelf life is 12 months.

AUSTRALIA

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NEW ZEALAND

ITW Polymers & Fluids
18-26 Amelia Earhart Avenue
Airport Oaks, Mangere, Auckland
Phone (09) 256 2122 Fax (09) 256 2124

Packaging

Epirez Instant Grout is packaged in 15 kg heavy-duty, waterproof plastic pails, producing 9 litres (0.009m³) of hardened grout. For ordering, determine the total number of cubic metres required and add 5% wastage.

Ordering Information:

15 kg pail #991609

Safety Precautions

Epirez Instant Grout is non-toxic, but is alkaline in nature. Gloves should be worn. Splashes of grout to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, seek medical advice. Keep contents away from children.

TDG Code: Not Classified

Note

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.

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.

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