



EPIREZ

TECHNICAL DATA

Class A General Purpose Grout

Panel Grout

Description

Class A General Purpose Grout is a premixed cement based, non-ferrous, non-shrink grout, exhibiting good flow characteristics. This economical performance grout offers the advantage of low water requirements and medium to high compressive strengths.

Class A General Purpose Grout should be specified for general purpose construction site applications where the major emphasis is on ease of application. **Class A General Purpose Grout** is supplied ready-to-use as a dry powdered product requiring only the addition of water to be used for a wide range of applications.

Areas of application

- General purpose site applications – fool proof results
- Void filling of cavity blocks
- Void filling of tilt up panels and other joints
- Column baseplate void filling

Features

- | | |
|---------------------------|--|
| • Good flow | - good baseplate contact |
| • Positive expansion | - no shrinkage |
| • Early strength | - 20 MPa in one day |
| • Medium to high strength | - up to 70 MPa |
| • Low water cement ratio | - medium to high strength / high density |
| • Chloride free | - no re-bar corrosion |
| • Non-ferrous | - no staining |
| • Versatile | - dry pack / trowel / pour |
| • Economical | - low installation cost |

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	: 12 months, unopened, dry
Work Time	: 20 minutes at 25°C
Initial Set	: 1 hour at 25°C (flowable)
Final Set	: 3 hours at 25°C (flowable)

Water Ratio

Dry pack	: 2.0 Ltr / 20 kg
Trowellable	: 2.8 Ltr / 20 kg
Flowable	: 3.8 Ltr / 20 kg

Compressive Strength (AS 2073)	2.0 Ltr Water / 20 kg	2.8 Ltr Water / 20 kg	3.8 Ltr Water / 20 kg
1 day	29 MPa	20 MPa	15 MPa
7 days	50 MPa	37 MPa	28 MPa
28 days	70 MPa	52 MPa	40 MPa

Estimating data

CONSISTENCY	WATER RATIO	YIELD	
	Litres / 20 kg bag	Litres / 20 kg bag	Bags / m ³
Dry Pack	2.0 – 2.1	10.2	98
Trowellable	2.8 – 3.0	10.4	96
Flowable / Pourable	3.8 – 4.0 max	11.2	89

Application directions

Foundation Preparation

All surfaces should be free from oil, grease or 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.

Several 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.

Preformed polystyrene blockouts should be mechanically removed. Dissolving polystyrene with petrol or solvent will result in a contaminated blockout with little or no bond to the grout.

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

Class A General Purpose Grout should be thoroughly mixed to the desired consistency by varying the amount of water used. Do not exceed recommendations.

Grout should be mixed using either a grout mixer or a suitable power mixer. Do not mix for more than 5 minutes (do not remix). Once mixing and placing the grout has begun, it should be a continuous operation. Do not mix more grout than can be placed within 20 minutes.

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Curing

Class A General Purpose Grout should be cured for a minimum of 24 hours with wet hessian followed by application of **Max-Cure Cementitious Grout Curing Compound**. Failure to prevent early moisture loss and ensure long term curing can result in plastic cracking, drying shrinkage, cracks in grout shoulders and a reduction in ultimate strength development. In-service operation may commence once required grout strength has been reached.

Cleaning

Clean tools and equipment with water immediately after use.

Limitations

Class A General Purpose Grout should not be applied below 5°C

Storage and shelf life

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

Packaging

Class A General Purpose Grout is available in 20 kg moisture resistant, multi ply bags.

Ordering Information:

20 kg bag #991619

Safety precautions

Class A General Purpose 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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