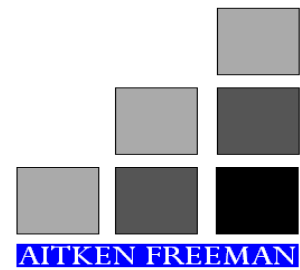


# Tecgrout BB



## Cementitious Mortar for Bridge Bearings

### USES

Tecgrout BB is a high strength, mortar, specifically formulated for bridge bearings. The specially selected cements and additives contained in Tecgrout BB allow the placement of bearing pads.

Tecgrout BB may also be used for deep pour applications up to 200mm where standard grouts are unable to be used.

### BENEFITS

- High strength, durable mortar
- Easy application
- Low alkali content
- Low Shrinkage

### TECHNICAL SUPPORT

Aitken Freeman offers a comprehensive range of high quality, high performance construction products. In addition, Aitken Freeman offers technical support to users and specifiers and can arrange on-site visits to end users and contractors.

### PREPARATION

All surfaces to be treated with Tecgrout BB should be clean of oil, grease or any other contaminant which may inhibit the bond. Cracked or weakened concrete should be removed prior to application so as to provide a good foundation for any repair. Scabbling or water blasting can also be used to remove any laitance and provide a mechanical key.

### DESCRIPTION

Tecgrout BB is supplied as a ready to use, factory prepared, dry powder. Tecgrout BB is a blend of Portland cements, aggregates, and chemical additives which reduce water demand which produces a low shrinkage, high strength material suitable for placement in large volumes.

### TYPICAL PROPERTIES

<b>Compressive Strength</b>	@25°C
24 Hours	32 MPa
7 Days	48 MPa
28 Days	58 MPa
<b>Setting times</b>	
Initial Set	165 minutes
Final Set	270 minutes
<b>Drying Shrinkage</b>	
< 600 microstrain	AS:1012.13 @ 56 days

### APPLICATION

Place the mixed Tecgrout BB mortar in the formwork by pouring or pumping in a single continuous operation to fill the form work. The minimum thickness applied in any single application should be limited to 25mm, and feather edging should be avoided.

Tecgrout BB must be finished to a float finish suitable for the size and type of elastomeric bearing being proposed.

### CURING

On completion of the trowelling operation, exposed areas can be cured with a thin layer of Pavecure A, or other suitable curing method to prevent the loss of surface moisture when the repair is subject to direct sunlight or strong winds.

### CLEAN UP

Tecgrout BB should be removed from tools and equipment immediately after completion using water. Cured material can only be removed mechanically.

## MIXING

Add the required mixing water (1.8 – 2.0 litres per bag) to the mixing vessel and slowly introduce the Tecgrout BB powder. Mix for 3 – 4 minutes using a forced action mixer suitable for mortars, until a smooth consistent mortar is achieved.

Avoid addition of excessive water which will reduce the final strength and make the application more difficult. Always add powder to water slowly while mixing to avoid lumps. Only mix as much Tecgrout BB as can be used within the setting time, and do not attempt to rework or retemper any partially set material.

## ESTIMATING & SUPPLY

Tecgrout BB is supplied in 20kg moisture resistant bags. Yield once product is mixed is around 10 litres per bag.

## LIMITATIONS

For low temperature working, when the air is 5°C on a falling thermometer, normal precautions for winter working with cementitious materials should be adopted.

At ambient temperatures above 35°C, ensure sufficient labour for applying and trowelling are available to finish the surface to the required standard before the final set has commenced. Good curing is essential under hot and/or windy conditions.

## PRECAUTIONS

Tecgrout BB contains cement powders which, when mixed or become damp, release alkalies which can be harmful to the skin. During use, avoid inhalation of dust and contact with skin and eyes. Wear suitable protective clothing, gloves, eye protection and respiratory protective equipment. The use of barrier creams provides additional skin protection. In case of contact with the skin, rinse with plenty of clean water, then cleanse with soap and water.

In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed, seek medical attention immediately - do not induce vomiting.

**Material Safety Data Sheets (MSDS) are available to users of Aitken Freeman products on request. Please ensure you have read this data sheet, the MSDS, and the product label carefully before first use of any product.**

## STORAGE

Tecgrout BB has a shelf life of 12 months if kept in dry store in unopened, sealed bags. If stored in high temperature and/or high humidity locations, the shelf life may be significantly reduced.

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## ALLIED PRODUCTS

Aitken Freeman manufactures a broad range of construction products and can supply the following:

- Grouts and anchoring systems
- Epoxy Surface Coatings
- Admixtures for concrete
- Adhesives & Sealants
- Floor toppings
- Floor levelling compounds
- Concrete Repair materials
- Waterproofing solutions

### ***Refer to Material Safety Data Sheet for precautions and personal protection***

**Disclaimer:** Any advice, recommendation, information, assistance or service provided by Aitken Freeman P/L in relation to goods manufactured or supplied by them or their use and application is in good faith and is believed by Aitken Freeman P/L to be appropriate and reliable. However, any advice, recommendation, information, assistance or service provided by Aitken Freeman P/L is provided without liability.

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