

# Application Instructions

Always refer to the Product Technical Data Sheet (TDS) and Material Safety Data Sheet (MSDS) before using.

For Epoxy Grout, refer to the corresponding Technical Data Sheet (TDS) for application instructions.

## Substrate and Surface Preparation

The substrate surface must be clean, sound and free from oil, grease, curing compound or any loose materials. It must be mechanically abraded back to a sound concrete surface.

- Bolts or anchor holes must be clean and free from dust or loose material. This can be achieved by blowing clean the hole.
- Base plates must be cleared of all rust, oil or grease. It is essential to provide air pressure relief holes for venting.

## Pre-Soaking

It is essential to pre-soak the concrete substrate prior to application of the cementitious grout. Pre-soak substrate with water for a minimum of 6 hours prior to grouting. Immediately before pouring, the excess water should be removed. In the case of bolt/anchor holes, the holes must be blown out to ensure no traces of free water are present whilst grouting.

## Formwork

Formwork must be constructed to facilitate rapid and continuous filling, whilst remaining leak proof and water tight. Foam rubber strips or suitable sealants underneath the formwork are recommended.

## Unrestrained Surfaces

Due to expansion, unrestrained areas must be kept to a minimum. It is advisable not to leave any unrestrained areas.

## Low Temperature Working

At temperatures below 5°C the cure rate and strength development will be dramatically reduced. If early strength is required, it is advisable to use heated water and condition the cementitious grout to 25°C. Do not exceed this temperature.

## High Temperature Working

At temperatures above 30°C, it is advisable to use water below 20°C when mixing grout. All materials must be kept cool and away from direct sunlight. If practical, the installation area should be shaded by erecting shade screens. If ambient temperatures are excessive, grouting should be scheduled for early morning or late afternoon.

## Mixing

- Bostik's range of grouts require between 3 - 4.4 litres of potable water per 20kg bag, depending on the desired consistency. Mixing should be performed using a forced action high shear stirrer powered by a heavy duty electric mixing drill at approximately 600rpm.
  - Add pre-measured water to a clean mixing bucket. Gradually add powder into the water whilst continuously mixing the contents of the bucket. When the entire contents of the bags have been added to the water, mix for a further 3 - 5 minutes to produce a smooth homogeneous consistency.
- It is essential that the grouting operation is continuous hence ensure sufficient labour and mixing capacity is available.

**CAUTION**  
**DO NOT MIX BY HAND**  
**DO NOT ADD ADDITIONAL WATER**

Discard any unused grout that has stiffened or hardened.



## Pouring

The desired ambient temperature for pouring is approximately 20°C. At this temperature it is essential the grout is placed within 25 minutes of mixing as this will ensure the expansion process is maximised. Ensure the entire area to be grouted is completely filled. We advise the following :

- Use a suitable head box to ensure continuous flow of grout.
- Place/ pour grout from one side, minimizing the likelihood of trapped air.
- The grout head must be maintained at all times so that a continuous grout front is achieved.
- Do not use mechanical vibrators to assist in flow as this will cause segregation.

## Curing

To prevent excessive moisture loss during curing, Bostik recommends one of the following:

- Cover the area with wet hessian.
- Cover the area with plastic sheeting.
- Apply Bostik Bond 'N' Cure via spray or roller (refer to TDS).

At ambient temperature, formwork should be removed no sooner than 24 hours after completion of grouting. The covering should stay in place for a further 6 days. Lack of sufficient curing could result in plastic cracking and drying shrinkage on the surface.

## Bostik Co-operative Test Option

Bostik has established a testing service (PATs) to assist in specifying and selecting the most suitable product for a certain application. The service is available on large projects prior to commencement of works. Consult a Bostik representative for further information.

## Storage & Shelf Life

Bostik cementitious grouts have a shelf life of twelve (12) months if kept in a dry environment completely away from moisture.

## SAFETY PRECAUTIONS

**SEE THE MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.**  
**EMERGENCY INFORMATION: 1800 033 111 (ALL HOURS)**  
**MSDS and TDS can be downloaded from [www.bostik.com.au](http://www.bostik.com.au)**

## Clean-Up

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

## Bostik Product Guarantee

This product comes with consumer guarantees that cannot be excluded under the Australian Consumer Law (ACL). In addition to your rights as a consumer under the ACL or other laws, Bostik guarantees the performance of this product for 10 years if the product is used within its shelf life and in accordance with the usage instructions printed on this packaging or the product's Technical Data Sheet available on our website. This 10 year guarantee specifically excludes any loss or damage caused by incorrect usage and covers the removal and replacement of the affected materials if the failure is proven to be directly related to Bostik products within the warranty period.

If you wish to make a claim under this guarantee you must within 2 weeks after first identification of damage notify us in writing using the details on the packaging. You must provide evidence of your purchase and specify the batch number printed on the packaging. Bostik reserves the right to inspect any alleged failure and no responsibility will be accepted unless Bostik is given the opportunity to do so.