

# TECHFIN BULKED GROUT

Natural Aggregate High Strength, Non-Shrink, Non-Pourable Grout for Bulk Grouting

Techfin Bulk Grout is a premixed ready-to-use dry grout with a precise blend of graded siliceous and pea gravel aggregates, controlled chemicals, incorporating shrinkage compensating ingredients and Portland Cements to produce a workable non-shrink grout. It is grey coloured, non-oxidising and has no added chlorides or nitrates.

## BENEFITS:



*A precision grout for use when a workable consistency is required and when the principal requirement is a shrink-free grout.*



*High Early Strength - facilitates rapid installation and operation of machinery.*



*A non-shrink grout that hardens, free of bleeding, settlement or drying shrinkage, maintaining tight contact with the underside of grouted elements.*



*Workable Consistency – a grout when mixed and placed at workable consistency remains free from segregation and bleeding.*



*Non-metallic, iron free aggregate grout used where concrete or mortar appearance is required.*



*Durability – a dense and ultimate high strength grout which withstands repetitive loading requirements.*



*Reliability – premixed thus eliminating costly on site blending errors.*

## TECHNICAL DETAILS

Initial Set	Approx. 2 hours at 20 °C
Final Set	Approx. 4 hours at 20 °C
Flow Characteristics	Flowable
Shrinkage	Non-shrink
Operating Temperature	Between 5 °C - 200 °C
Storage Life	Up to 1 year when stored dry under cover
Yield	25 kg mixed with 3.2 - 3.5 L water produces 12 L

## PACKAGING

Techfin Bulk Grout is supplied in 25 kg polywoven bags.

## COMPRESSIVE STRENGTH

	1 Day	3 Days	7 Days	14 Days	28 Days
MPa	11	32	49	58	64

The strength of Techfin Bulk Grout is dependent on the water content, curing procedure and age of hardened grout. The above must be considered, to determine the earliest equipment or machinery can be put into operation. Protect from freezing until cured for 28 days.

## APPLICATIONS

- Structural columns
- Machine base plates
- Crane and transporter rails
- Anchor bolt mounting
- Dowel and steel bars
- Bridge bearings
- Filling large voids in concrete or steel sections.

## DIRECTIONS

All equipment to be grouted must be free of grease, oil and dirt and the concrete surface must be scabbled with suitable equipment, cleaned and be well saturated for 24 hours prior to grouting.

## MIXING

Mix Techfin Bulkied Grout with suitable mechanical mixing equipment. Pour the grout into the demarcated area immediately after mixing. Do not mix more grout than can be used in  $\pm 30$  minutes. Once the grout has stiffened, do not re-temper by adding water. Temperatures of both the grout and all elements coming into contact with the grout should be in the range of 10°C - 26°C. Do not grout in freezing conditions. If outside this range special information on high and low temperature grouting recommendations are available from your local Technical Finishes field representative.

## CURING

Cure all exposed areas of grout with Techfin Acrylic Cure curing compounds or keep saturated for at least 10 days.

## WATCH POINTS

- Site and laboratory tests should be determined on desired placing rather than strictly on the water content. This must be established prior to placing the grout.
- Always place grout from one side only. Do not pour grout from both sides as this will result in entrapment of air creating a gap (air pocket) between the underside of bedplate and grout.
- Do not use contaminated water or excess water or at a temperature that will produce bleeding, segregation, delayed hardening and low strengths.
- For normal precision grouting where the thickness of the grout is less than 100 mm, refer to our Techfin Flowable Grout or Techfin GP Grout technical data sheets.

## HEALTH AND SAFETY:

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHS Act No.85 of 1993. The finished system is not hazardous to health or the environment.

## WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.