

PRODUCT DATA SHEET

Prestige Non-Shrink Grout



SHRINKAGE COMPENSATED CEMENTITIOUS GROUT

DESCRIPTION

Prestige Non-Shrink Grout is a pre-mixed, low shrinkage, cement-based grout. It contains graded siliceous aggregate and chemical reagents which prevent shrinkage during curing. The high strength grout has been specifically formulated to bond extremely well with concrete and is ideal for the grouting of holding down bolts, machine base plates, sole plates, or in applications where high early strength is required. The initial setting time of the compound is approximately 15 minutes with final setting approximately 1 hour after application. This allows sufficient time for mixing, placing and finishing.

USES

- Bedding of column base plates, machinery base plates, bearing plates, crane rails
- Grouting of anchor bolts, cables, starter bars, top steel
- Repairing cavities in concrete
- Grouting in or onto precast elements

CHARACTERISTICS

- Easy to use (ready to mix powder)
- High early compressive strength
- Non-shrink at flowable consistency
- Excellent bond to concrete
- Non-corrosive

PRODUCT INFORMATION

Chemical Base	High aluminium cement, selected fillers and aggregates
Packaging	20 kg bags
Appearance	Grey Powder
Shelf Life	6 months from date of production
Storage	Store in dry conditions, on pallets

TECHNICAL INFORMATION

Initial Setting Time	± 30 minutes at 25°C and 50 % humidity			
Final Setting Time	± 3 hour at 25°C and 50 % humidity			
Working Time	± 10 minutes at 25°C and 50 % humidity			
Pot Life	± 10 - 15 minutes at 25°C and 50 % humidity			
Temperature Resistance	Up to 1200°C			
Compressive Strength	4 Hours	24 Hours	7Days	28 Days
	~ 24 N/mm ²	~ 30 N/mm ²	~ 50 N/mm ²	~ 60 N/mm ²
Flexural Strength	7 Days		28 Days	
	~ 8 N/mm ²		~ 10 N/mm ²	
Tensile Strength	7 Days		28 Days	
	~ 4.5 N/mm ²		~ 5.4 N/mm ²	
Yield per 20 kg	~ 9 litres			

INSTALLATION INSTRUCTIONS

Design Criteria

A minimum clearance of 30 mm is recommended between bed and base. For smaller areas where the flow will not be restricted, a limited minimum thickness of 15 mm is recommended. When grouting anchor bolts, three times the bolt diameter is required.

Surface preparation

1. Surfaces must be solid/firm and free of dust, mould oil, grease, sealers, wax polish and organic growth. Organic growth must be removed and the spores killed with an effective fungicide such as a household bleaching solution.
2. Remove all deteriorated concrete down to sound substrate.
3. Concrete surfaces are to be thoroughly pre-saturated with clean water prior to placing the grout. Excess surface water must be removed before grouting commences.
4. Surface temperatures should not be less than 5° C.

Mixing

1. Only mix the grout once all the preparation work has been completed. Mix 20kg of **Prestige Non-Shrink Grout** to 3.2 - 4 litres of cold, clean water.
2. Mix thoroughly for approximately 4 minutes until a smooth consistency is achieved. Mechanical mixing will result in a lump free, easier to use mix.

3. Do not re-temper or add more water to increase workability once the grout is mixed and has started to set.
4. Do not mix more grout that can be used in 10-15 minutes

Application

1. Pour Prestige Non-Shrink Grout into the prepared area from one side only in a continual flow. This will encourage the discharge of air bubbles.
2. The use of Prestige Non-Shrink Grout for connecting precast concrete elements and the filling of rigid joints is recommended for thicknesses up to 60 mm
3. It is not necessary to vibrate the grout mechanically. To facilitate the filling of spaces that are particularly difficult, use a wood list or an iron rod.

Extending Prestige Non-Shrink Grout

For filling cavities that have dimensions greater than those indicated, add 6-10 mm clean stone; not exceeding 30% by weight of Prestige Non-Shrink Grout. Because certain characteristics such as workability and strength may vary, it is advisable to carry out preliminary tests at the work site or to consult our Technical Services Department

PRECAUTIONS

- Wear rubber gloves.
- Do not ingest.
- In the event of contamination rinse thoroughly with cold water.
- Use as directed.
- Use a dust mask.
- Work in well ventilated areas.
- Seek medical assistance if irritation or discomfort persists.

WARNING

- Do not ingest.
- Keep away from children and pets.
- Do not empty into drains.

PRESTIGE ADHESIVES GUARENTEE

We guarantee that **Prestige** products meet the product specifications and will be free from any defect. Any guarantee with regards to the performance of **Prestige** products will be subject to the professional and practical application of **Prestige** products in accordance with our instructions and specifications.

However, we have no influence over specific site conditions and therefore, if in doubt, the user should first carry out sufficient tests to ensure that the product is suitable. In special cases, obtain advice. Should our product prove defective, we undertake to replace any defective material.

This guarantee will fall away in the event of **Prestige** products being contaminated or adulterated by the addition of sand, cement or any substance other than recommended by us.

IMPORTANT NOTICE

Prestige Adhesives believes the information on this sheet to be correct and true; but does not guarantee its accuracy or completeness. Conduct your own tests of this product to determine its suitability for intended use. User assumes all risks and liability during testing and use of this product. The only obligation of Prestige Adhesives shall be to replace any of this product proved to be defective in material. Prestige Adhesives shall not be liable for any injury, loss or damage, direct or inconsequential, relating to the use or inability to use this product. Except as expressly provided above, all products sold and samples furnished without any warranty of merchantability or any other warranty, express or implied. Prestige Adhesives CC reserves the right to change the information on this datasheet.

PRESTIGE TECHNICAL ADVICE CENTRE

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