

## TECHNICAL DATA FOR BS EASYGROUT

Free flowing, shrinkage compensated, high strength cementitious Grout.

### Description of BS EasyGrout

BS EasyGrout is a Ready to Use Drymix Powder that is used for targeted grouting where it is required by structure to face static and dynamic loads.

Suggested applications are in machine foundations, grouting of the base plates of various machines and columns alike. It is suitable for anchoring a wide range of foundation anchoring.

BS EasyGrout comes as a ready to use powder in 20Kg sacks for easy handling. Only potable water needs to be added to make a free flowing, non-shrink grout for filling gaps of thicknesses up to 100mm.

BS EasyGrout is a blend of Portland cement, graded fillers and chemical additives which provide controlled expansion and provides high early strength to the grouted volume.

### Advantages of BS EasyGrout

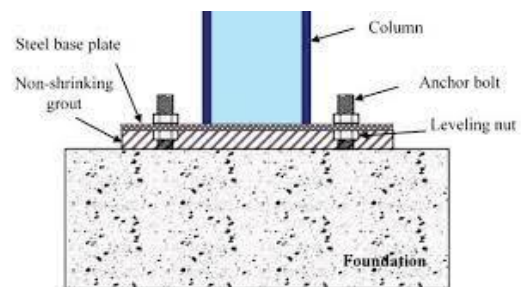
1. High Strength Free Flow System
2. Good flexural strength to resist natural vibrations
3. Easier to use at site with 20Kg Pack
4. Application is fast & economical
5. Extended Working time of up-to 1 hour after mixing.
6. BS EasyGrout Can be used from trowelable to flowable consistency.

### Benefits of BS EasyGrout

1. Shrinkage Compensating technology inbuilt to prevent plastic shrinkages and settlement
2. Non staining to prevent discolouration
3. Ready to Use state just add water to 20Kg pack as
  - a. For Pourable Use : 3.3 L Water
  - b. For Flowable Use : 3.9 L Water
  - c. Do Trials first due to variable environmental conditions.
4. Rapidly gains high early strength
5. No chlorides in the formulation
6. High flow system to reach even small gaps and achieve full saturation in grouting application.

### How to Use

1. Clean and Clear the substrate of any loose particles, laitance or oils and any unwanted materials.
2. If more than two bags of BS EasyGrouts are used a paddle mixer is advised.
3. Remove any ponding water from the substrate.
4. Saturate the substrate with water 2 hours before application.
5. First place water and then add BS EasyGrout Slowly to water so that no lumps are formed
6. Use slow speed mixer (400 to 500 rpm) for best results
7. Mix for 5 minutes, allow 2 minutes to settle down in the container
8. For large mixes a tank may be used with slow continuous blending
9. After mixing, use within 20 minutes for best results
10. Can fill up-to 100mm under a base plate in one go.



11. For filling thickness higher than 100mm, 10mm down aggregate, silt free, can be added up-to 100% by weight of BS EasyGrout. That means 20 Kg of aggregate to 20Kg of BS EasyGrout for large volume grouting needs for example in foundations etc.
12. The grouting lead should be non stop and no more than 15-20 minutes gap is allowed between continuous pours.
13. For temperatures exceeding 40 C add cold water, for temperatures below 10 C add warm water in the mix so that product performs as expected.
14. Curing by plastic sheet, hessian or wet jute covering or curing compound like BS SureCure is recommended for 4 days.
15. Clean the tool immediately with water after use.
16. Users should Wear protective gloves and goggles as the product is of Alkaline nature.

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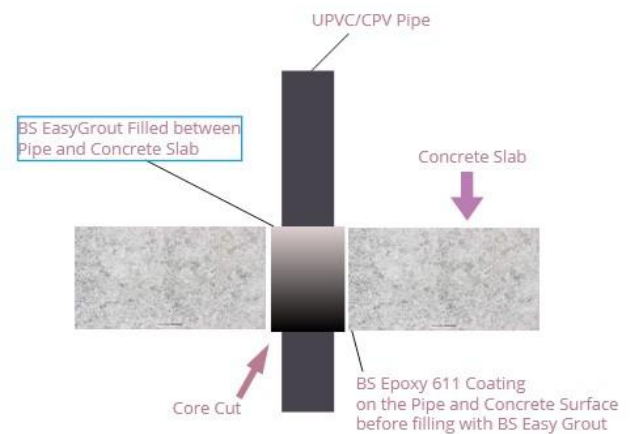
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### Technical Detail of the Product BS EasyGrout

| Criteria : Compressive Strength                  | Test Results  |
|--|---|
| Days   | Data  |
| 1  | 18 N/mm <sup>2</sup>  |
| 3  | 35 N/mm <sup>2</sup>  |
| 7  | 45 N/mm <sup>2</sup>  |
| 28   | 65 N/mm <sup>2</sup>  |
| Flexural Strength meeting (ASTM C 78) at 28 days | 9 MPa   |
| State of Supply                                  | Dry Free Flowing Grey Powder  |
| Water Addition Range                             | 16% to 19% by Weight  |
| Wet Density                                      | 2.1 Kg/L  |
| Modulus of Elasticity at 28 Days                 | > 30GPa   |
| Pull out Bond strength at 7 days                 | >17 MPa   |
| Bond Strength to concrete at 28 Days             | >2 MPa  |
| Dynamic load resistance performance.             | Condition of sample remained undamaged when cured sample was subjected to alternating loads of 5 and 25 MPa at 300 cycles per minute and for 2000000 cycles and then tested for compressive strength which was found to be higher |

### BS EasyGrout

1. Comes in 20Kg Sacks for easy handling at site and works going on in high rise bore packing etc.
2. Has a practical shelf life of 9 months due to double liner packing and advanced life extenders used in the formulation.
3. Performs meeting project requirements for high performance and good value.
4. Most recommended system for packing core cut holes



Details in this Datasheet can be changed anytime by the manufacturer without prior notice.

Please follow local safety regulations for disposal of leftover material.

Please connect for support on contact details given in this document.