



DP Non Shrink Grout

Non-metallic, high strength, ready to use non-shrink grout for grouting and patching works.

PRODUCT

DP NON SHRINK GROUT consists of accurately weighed portland cement, non-metallic aggregates, expanding agents and additives. These materials are pre-blended and require only mixing with water before use. Grout is designed to meet HDB requirement of a dry-packed grouting and patching material. Use mainly for patching and filling of gaps and holes in concrete works. Can also be used as anchoring grout for anchor bolts, railings, anchoring post, signs and other fixtures in concrete, rock or masonry. Also suitable for general repairs to concrete structures and void backfilling. For flowable and fluid consistency, PG NON SHRINK GROUT is recommended. The grout contains no chlorides or other substances which could aggravate corrosion of reinforcing steel or prestressing steel cables.

TECHNICAL DATA AND PHYSICAL PROPERTIES

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|---------------------------|---|
| Colour | Grey |
| Binder | Ordinary Portland Cement |
| Filler | Graded sand (BS 1199) |
| Additives | Water soluble additive to improve workability, water retention, durability and adhesion strength. |
| Max. aggregate size | 5 mm |
| Density | 2.0 kg/litre (dry), 2.1 kg/litre (wet) |
| Coat thickness | 10 - 25 mm |
| Consumption | Approx. 1.8 kg/m ² /mm thick |
| Water demand | Approx. 15% or 3.8 litres/25 kg bag |
| Flow consistency | 30 - 45% (ASTM C1437) |
| Pot life | 30 minutes |
| Compressive strength | 50 N/mm ² * |
| Setting time (Initial) | 80 mins. * |
| Setting time (Final) | 150 mins. * |
| Slant shear strength | 6.9 N/mm ² * |
| Volume change (ASTM C827) | +1.18% * |

* Tested by SETSCO.

PROCEDURE

Ensure substrate is clean and sound. Remove loose particles, grease and traces of foreign materials that may affect adhesion. For repair of concrete, spalling or loose concrete is to be removed to a sound base. Anchorage bolts for fixing holes must be blown clean of any loose dirt or debris. On extremely hot and absorbent substrate, the surface should be moistened. Prepare the mortar by mixing powder into the right amount of water. Mix thoroughly using a mechanical mixer until mixture is homogeneous.

For repairs, which may require a few layers of applications, it is important to ensure that the previous layer has hardened before the next layer is applied.

STORAGE AND PACKING

DP NON SHRINK GROUT is available in 25 kg bags. Storage life is 6 months if product is kept in sheltered and dry place.

Note: Because it is not possible to give specific instructions for the various site conditions or to control the applications, the information on this Technical Data Sheet is for general guidance only.

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