

Multigrout

Non-reactive, non-shrink, high strength, high flow high performance grout/mortar

Description

MULTIGROUT is a pre-blended cementitious mixture with high grade, non-reactive limestone aggregates for control of alkali-silica reaction. It is supplied ready to use requiring only the addition of pre-measured clean potable water to produce a shrinkage compensating, multi-purpose grout in either the trowellable, plastic or flowable state.

Fields of Application

MULTIGROUT should be used anywhere it is necessary to minimise the effect of shrinkage.

- Bridge bearing plates.
- Filling spaces between new and old concrete.
- Anchor bolt fixing.
- Concrete repair.
- Caulking of spaces around pipes and services.
- Flowable consistency - precision grouting and fixing of heavy machinery; dowel bars, crane rails, etc.

Note: MULTIGROUT is not designed to be used as a trowel-on-render or for use in unrestrained situations, e.g. floor repairs.

Features and Benefits

- Non-reactive - risk of alkali-silica reaction eliminated.
- Shrinkage compensating in both plastic and hardened state.
- Dimensionally stable in its hardened state ensures full void filling and load transfer.
- Suitable for pumping, pouring, trowelling, tamping.
- Good durability due to low water/cement ratio, high ultimate strength and low permeability.

- Excellent workability/ high flow ideal for grouting narrow gaps.
- Predictable performance.
- High early strength reduces downtime and costs.
- Adjustable consistency.
- Does not contain chlorides, nitrates or other added accelerating chemicals.

Technical Data/Typical Properties

Appearance: Grey granular powder Plastic Density: 2180 Kg/m³ at 20°C Initial Set (at 20°C): Approx. 3.5 hrs Final Set (at 20°C): Approx. 5 hrs Max. Aggregate Size: 2.0 mm Min. Cement Content: 500 Kg m³ Compressive Strength (BS 1881: Part 108) 100 mm cubes:

24 hrs at 20°C > 48 N/mm²

7 days at 20°C > 65 N/mm²

28 days at 20°C > 80 N/mm² Chloride Ion Content: Less than 0.1% by weight of powder.