



TRADE RANGE TRADE RANGE TRADE RANGE TRADE RANGE

CONSTRUCTION GROUT



DUNLOP® CONSTRUCTION GROUT is a general purpose high strength grout that can be mixed to a non-slump or flowable mix suitable for a wide range of projects. The cement based formulation is suitable for applications where shrinkage is not tolerated and high compressive and flexural strength is required. Compressive strength of 45MPa is achieved after 7 days and 65MPa after 28 days.

TYPICAL APPLICATIONS

For grouting of;

- machine bases
- column bases (steel and precast concrete)
- anchor bolts
- precast panels
- underpinning
- conveyor supports; and similar grouting applications.

SURFACE PREPARATION

In general, the surface being grouted must be clean, firm and free of dust, dirt, oil, grease, curing compounds, release agents and other barrier materials.

It is recommended to wet porous substrates with water for approximately 2 hours prior to grouting. Remove excess freestanding water on the surfaces prior to grouting.

MIXING

Non-slump Mix: Mix 20kg powder with approximately 2-3L water

Flowable Mix: Mix 20kg powder with approximately 4L water

Mixing ratio can be slightly varied to achieve the right consistency for the job which can vary from a paste to a smooth, flowable consistency. Always ensure that the DUNLOP CONSTRUCTION GROUT powder is added to the water during mixing.

Use an electric type mixer as hand mixing is not suitable. Allow for approximately 3 minutes of mixing to achieve optimum mix results. The mix should be used within 30-45 minutes of mixing. After this time, discard any mix that shows signs of stiffening. Do not remix.

Do not apply in temperatures below 10°C or above 35°C. Trafficable after 24 hours. Full cure after 14 days. It is strongly recommended that a small trial batch is tested to determine the best mix consistency for the project at hand.

APPLICATION TECHNIQUES

Flowable Consistency

DUNLOP CONSTRUCTION GROUT may be applied with grouting equipment or may be trowelled into place in constrained areas.

A flowable mix should be used for vertical holes that require filling.

Non-Slump Mix

Firmly press the non-slump mix into place using metal or hardwood tamping tools and suitable trowel equipment. Do not vibrate into position as this may cause segregation of the mix.

This mix should be used for horizontal hole applications. Ensure that an adequate bond is achieved between the mix and the bolt or rod by pushing and pulling back on the rod several times.

COVERAGE

Water addition per 20kg bag	Yield (L)	Kg/m ³	Bags per m ³
3L	11.2L	2056	90
4L	12.0L	2000	84

PRECAUTIONS

Do not add additional water to the specified amount. Apply grout in a continuous operation, even in large areas ensuring the product does not exceed the 45 minute pot life. DUNLOP CONSTRUCTION GROUT is suitable for applications between 5mm and 100mm. Keep unrestrained areas to a minimum as this will reduce the final compressive strength of the mix. Cure time and set will be extended when applied at temperatures lower than 10°C, and accelerated at temperatures above 30°C. DUNLOP CONSTRUCTION GROUT will not cause corrosion of metals, however it will not inhibit corrosion. A metal primer is recommended prior to use.

CLEANUP

Clean all materials and equipment with clean water immediately after use.



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STORAGE

Shelf life of 12 months when kept in a cool dry place, away from any moisture.

SAFETY DIRECTIONS

DUNLOP CONSTRUCTION GROUT contains cement and to avoid skin irritation, wear gloves. If skin contact does occur, wash with soapy water. Remove any adhering solids with skin cleansing creams and in the event of irritation, seek medical attention. If material enters the eyes, rinse with plenty of water for at least 15 minutes and seek medical advice. If swallowed, do not induce vomiting, get patient to drink water as much as possible and seek medical advice. Material Safety Datasheet is available upon request.

NOTE

This product is warranted for 10 years when installed to the relevant Standard and applicable ARDEX specification, technical data sheet and instruction for application and use. While we assure customers the high standard and quality of our products and services, we accept no liability for any loss or damage which arises from particular site conditions, poor handling and storage, or installation by unqualified or unskilled applicators.

TECHNICAL DATA

Colour & Form:	Grey powder
Working Time	approx 45 minutes
Packaging	20kg

Compressive Strength	MPa
After 1 days	approx 20
After 3 days	approx 30
After 7 days	approx 45
After 28 days	approx 65

Flexural Strength	MPa
After 1 days	approx 3
After 3 days	approx 5
After 7 days	approx 7
After 28 days	approx 10

USER NOTES

The technical details and recommendations contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is the responsibility of the user to ensure that the products are used in accordance with DUNLOP product instructions and in applications for which they are intended.

Exceeds Australian Standard AS 4992.1

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