

Grout-mix

Non-shrink anchoring grout



1-Product description

1.1 USE

- Grout-mix is a non-shrink cementitious grout that can be mixed to very fluid consistencies without any segregation and still provide resistance significantly greater than traditional concrete.

- It is mostly used as an anchoring grout for bolts, hooks and post.

- Its special non-shrink formula allows it to be efficient and useful for many interior and exterior general-purpose projects.

1.2 ADVANTAGES

- Interior or exterior use
- No shrinkage
- Contains no chloride
- Non-metallic
- Excellent freeze-thaw resistance

2- Installation

2.1 SURFACE PREPARATION

- Surface to be repaired must be sound, clean and free from bond inhibiting materials such as dust, oil or paint.

- Make sure the temperature is between 5°C (40°F) and 35°C (95°F), during the application and for the following 48 hours.

- Smooth surfaces must be mechanically scarified.

- Concrete substrates must be fully cured for a minimum of 28 days.

- Concrete substrates must be kept damp for a period of 12 to 24 hours prior to the grout application. All excess water must be removed before the application.

2.2 MIXING

- Pour 700 to 900 ml (25 to 31 oz) of water per 5 kg (11 lb), into a clean container.

- Gradually add the powder while mixing with a drill equipped with a mixing attachment such as a paint mixer.

- Mix for a minimum of 3 minutes until the mixture has a homogeneous consistency.

- Note: Always mix a full bag in order to preserve product uniformity.

2.3 APPLICATION

- Fluid consistency: The product can be pumped with a low-pressure pump or can be poured into place.

- Dry packed: Compact with a metal or wood tamping tool and firmly set into place.

- Grout-mix can also be applied with a trowel.

2.4 PROTECTION AND CURING

- Cover all exposed surfaces with wet or damp burlap and a polyethylene film once the surface is dry enough.

- Cure for a minimum of 3 days.

2.5 CLEANING

- Clean tools and containers with water while mixture is not yet hardened. Once it is hard, only a mechanical cleaning will be efficient.

3. Packaging

This product is available in:

- 5 kg (11 lb) container
- 22.7 kg (50 lb) bag

4. Storage

- Store in a cool, dry place. Avoid placing bags directly on the floor.

- Shelf life is one year in unopened container.

- Discard product that has been damaged by water or humidity or that contains hard lumps.

5. First aid

This product contains portland cement and may cause eye, skin and respiratory system irritation. Wear rubber gloves, safety glasses and approved dust mask. If swallowed, call a Poison Control centre or doctor immediately. Do not induce vomiting. In case of contact with eyes, rinse well with water for 15 minutes. In case of skin contact, rinse well with water. Keep out of reach of children. Consult the safety data sheet for more information.

Technical data sheet

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Technical data table

Characteristic	Results	18 % water	14 % water
Initial set time (hours) ASTM C-191		7 to 8	3 to 4
Final set time (hours) ASTM C-191		8 to 9	3 ½ to 4 ½
Compressive strength ASTM C-109	1 day 3 days 7 days 28 days	20 MPa (2900 psi) 35 MPa (5075 psi) 50 MPa (7250 psi) 60 MPa (8700 psi)	40 MPa (5800 psi) 60 MPa (8700 psi) 70 MPa (10150 psi) 80 MPa (11600 psi)
Adhesion on concrete CSA A23,2-6B	28 days	1.70 MPa (247 psi)	1.79 MPa (260 psi)
Specific weight kg/L (lb/ft ³) ASTM C-185		2.20 (137)	2.24 (140)
Covering of a 22,7 kg (50 lb) bag		0.01 m ³ (0.36 ft ³)	0.01 m ³ (0.36 pi ³)

Note: These results were obtained in a laboratory at 23 °C (72°F)

6. Technical services

Contact Daubois for more information about application methods or conditions or to obtain the latest version of our technical documents.

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7. Warranty

Daubois guarantees that this product will perform as specified in this technical data sheet and suits the application for which it was intended. Nonetheless, Daubois does not offer any explicit or implicit warranty. Under this warranty, Daubois' responsibility is limited to either replace or refund the cost of the product proved defective.