



MORE THAN CONCRETE



CEMGROUT GP

GENERAL-PURPOSE NON-SHRINK FLOWABLE CEMENTITIOUS GROUT

AVAILABLE SIZES: 25kg



WORK TIME



STRENGTH AT 28 DAYS



SCAN FOR DETAILS

DESCRIPTION

CEMIX® CEMGROUT GP is a general purpose, high flow, non-shrink cementitious grout. It contains admixtures that provide positive expansion when the grout is in its plastic state and is also shrinkage compensated when in the hardened state. Characteristics include high flow, plastic expansion, high strength, shrinkage compensation, excellent substrate adhesion and durability.

TYPICAL APPLICATION/USES

CEMIX® CEMGROUT GP may be used for:

- All general purpose grouting applications
- Structural bearing pads
- Machine and equipment support
- Tank support
- Structural base plate support
- Precast connections and between precast elements
- Anchors, bolts, starters & dowels
- Void filling
- Tunnel lining grouting
- Dry packing

ADVANTAGES

- High strength
- Versatile: Dry pack, pourable or pumpable
- One component
- High flow
- Shrinkage compensated
- High bond strength
- Durable
- Low chloride ion permeability
- Improved abrasion resistance

SUBSTRATE PREPARATION

Substrates should be clean & free from all contaminants ,loose particles, coatings, curing compounds, dirt, mould, oil etc. Substrates must be sound, rough & dampened to ensure a good bond.

FORMWORK PREPARATION

The area to be grouted must be enclosed with good quality rigid watertight formwork. The formwork should be constructed with enough room to use a grout header box system. The formwork must be able to rigidly confine the CEMIX® CEMGROUT GP until it has set. Treat the formwork with a CEMIX® FORM RELEASE agent. Formwork should be flushed out just prior to application.

HEADER BOX & AIR VENTS

Use a suitable grout header box delivery system to pour the product into place. Create a head of pressure in the header box to force the grout into place. Keep the header box full of grout at a level well above the finished grout level. Avoid air entrapment by applying from one-side and use suitable air vents to vent air as the grout flows into place.

MOVEMENT / CONTROL JOINTS

Honour any control joints in the concrete substrate – do not apply product over control joints. Create control joints in the grout as required especially in long thin sections.

MIXING

Mix whole bags of product. Mix thoroughly for 4 - 5 minutes using a drill & paddle or suitable mechanical grout mixer. If a less fluid consistency is required, less water can be added. More water will increase flow but reduce strengths. Add 3.5L of water to the mixer and then add the product to the water. Add rest of water slowly whilst mixing until the desired consistency is achieved.



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Typical total water for a pourable to semi-fluid consistency is approximately 4L - 4.5L per 25kg bag. Approx. 4.8 - 5L of water is required for a very fluid consistency and 2.5L is required for dry packing. In very hot weather use chilled mixing water. In very cold weather use warmer mixing water. Re-mix product every 10 minutes or if it has been sitting for a while.

APPLICATION

Saturate the concrete substrate with water just prior to concrete application. Avoid water ponding. Typical application depths are from 10mm - 150mm. Pour the CEMIX® CEMGROUT GP into place while the substrate is still damp. Use a suitable header box delivery system and air vents as described above. Application is from one side only completely filling the void & avoiding air entrapment. Rod grout to move & compact as required. Trowel finish as required.

CURING

It is very important to prevent early plastic state moisture loss prior to the product setting. Cure product thoroughly after it has set by keeping it wet & covered for at least 7 days.

COVERAGE

Approximately 13.6L or 0.0136m³ per 25kg bag @ 4.5L of water.

PACKAGING

CEMIX® CEMGROUT GP is available in 25kg bags.

STORAGE & SHELF LIFE

CEMIX® CEMGROUT GP can be stored in its original packaging in a dry place well sealed for six (6) months after production. Do not store opened bags.

CLEANING

Clean all tools with water & brush immediately after use.

TECHNICAL DATA

APPEARANCE:	Sand / Cement Grey
HEIGHT CHANGE:	Positive Expansion
STRENGTH:	50Mpa @ 7 days; 60Mpa @ 28 days; restrained; Max 4L of water.
APPLICATION TEMP:	50C - 300C

BOND STRENGTH	>3MPa
CHLORIDE ION PERMEABILITY:	<1000 Coulombs
WORKING TIME:	60mins @ 20oC
CRD FLOW CONE TIMES:	15mins: 32 secs 45mins: 32 secs

The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations may occur on site.

If medical advice is needed, have product container or label at hand. Read label before use. Keep out of reach of children.

DANGER

HAZARD STATEMENTS

- Causes skin irritation
- Causes serious eye damage
- May cause an allergic skin reaction
- May cause cancer
- May cause respiratory irritation
- Causes damage to organs through prolonged or repeated exposure
- Harmful to aquatic life with long lasting effects

PREVENTION

- Obtain special instructions before use
- Do not breathe dust/fume/gas/mist/vapours/spray
- Use only outdoors or in a well-ventilated area
- Wear protective gloves/protective clothing/eye protection/face protection
- Use personal protective equipment as required
- Do not eat, drink or smoke when using this product
- Avoid release to the environment
- Contaminated work clothing should not be allowed out of the workplace

RESPONSE

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- IF exposed or concerned: Get medical advice/attention
- Immediately call NZ POISON CENTER (0800 764 766) or doctor/physician
- Take off contaminated clothing and wash before reuse
- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation or rash occurs: Get medical advice/attention



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- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

STORAGE

- Store locked up
- Store in a well-ventilated place. Keep container tightly closed

DISPOSAL

- Dispose of contents/container in accordance with local regulations

DISCLAIMER

Please Note: Recommendations and advice regarding the use of this product are to be taken as a guide only. Other than as appears on this product's packaging, CEMIX® PRODUCTS LTD does not give any warranty express or implied as to its suitability for any particular use. For all advice concerning the use of, or suitability of this product for a particular application please contact CEMIX® PRODUCTS LTD. If this product is defective, please contact the merchant the material was purchased from or CEMIX® PRODUCTS LTD who will refund or replace it in accordance with the requirements of the Consumer Guarantees Act.

SCAN QR CODE FOR MORE PRODUCT INFORMATION.



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