

General Purpose Cement

New Zealand Made Premium Portland Cement
Conforms to NZS1322: 2009 - General purpose and blended cement.



Cemix® General Purpose Cement is a premium Portland cement used in commercial, industrial and residential construction in New Zealand. It fully complies with the requirements of Type GP Cement in New Zealand standard NZS1322: 2009 - General purpose and blended cement.

APPLICATIONS

Perfect for all kinds of building and construction projects such as paving, foundations, brickwork mortar and fence post footings. General Purpose Cement can be used as a binder in a range of applications; Concrete, Mortars, Renders, Grouts. It may also be used in the manufacture of fibre cement products, construction and civil engineering projects.

STRENGTH

Property:	Days:	NZS1322: 2009 Type GP
Mortar Average Compressive Strength	3 days	34MPa
	7 days	46.7MPa
	28 days	63MPa

DIRECTIONS FOR USE

Please see table below for suggested mix proportions

- Always measure your components with a bucket rather than with a shovel.
- Mix thoroughly using just enough water to obtain correct workability. Note that excess water will decrease the strength of your mortar, concrete, plaster mix.
- Thoroughly compact concrete into place
- If using steel reinforcement ensure that it is well covered.
- Do not overwork the surface when obtaining final finish as this will weaken the surface.

STANDARD MIX RATIOS (BY VOLUME*)

CONCRETE USE	CEMENT	SAND	AGGREGATE
HIGH STRENGTH & DENSE	1	2	3
PATHS, FLOORS ETC	1	2.5	4
PLASTER	1	3	0
MORTAR	1	6	1 HYDRATED LIME

CURING

It is recommended that all products containing General Purpose Cement be cured for a minimum period of 7 days.

Typical methods such as ponding, curing blankets and curing membranes are recommended. The curing process should begin as soon as the concrete surface can receive the curing method chosen.

The practice of curing will enable concrete to reach its potential strength. It will reduce the potential for plastic cracking and improve surface durability and overall quality i.e. improved abrasion resistance, impermeability and a reduction in carbonation rate.

STORAGE AND HANDLING

The shelf life of Portland cement products is dependent on the storage conditions. It is necessary for bagged Portland cement to be stored in dry conditions and protected from rain, dew or any other moisture source. Bagged cement that has hardened or is lumpy as a result of exposure to moisture should not be used.

WARNING – HAZARDOUS PORTLAND CEMENT – THIS PRODUCT MAY CONTAIN CRYSTALLINE SILICA



RISK: Cements may cause respiratory, skin and eye irritation. Wet cement can be irritating and corrosive to the eyes and skin and may cause skin sensitization (dermatitis). Repeated inhalation of the dust containing crystalline silica may cause bronchitis, silicosis (scarring of the lung) and lung cancer, and the risk of scleroderma.



SAFETY: Avoid contact with eyes & skin, both from wet & dry cement. Do not breathe in dust. Wear suitable protective clothing, gloves (AS2161), eye protection (AS/NZS1337). When exposed to suitable respirator (AS/NZS1715,1716). When cutting or abrading concrete, keep it wetted with water to avoid creating hazardous dust. Wash thoroughly after handling. Wash work clothes regularly and separately from other clothing. Store any leftover material properly.



FIRST AID: Irrigate eyes with plenty of water for 15 minutes and seek medical attention. If inhaled, vacate dusty area immediately. Seek medical attention if symptoms persist. Wash skin with water.



SPILLS/LEAKS: Keep out of sewers and storm water



DISPOSAL: Follow above safety instructions and collect in containers for disposal as trade waste in accordance with local authority guidelines. Dispose of packaging appropriately.



MANUAL HANDLING: The weight of this bag and contents may be as much as 10% above the stated weight of 20kg. It is recommended that all manual handling of this bag be undertaken by load shifting equipment. Manual handling of this product without due care and attention could result in personal injury. Any manual handling should be undertaken as a team lift. Prior to manual handling it is recommended that a manual handling risk assessment be undertaken.

DISCLAIMER:

Recommendations & advice regarding the use of this product are to be taken as a guide only. Other than as appears on this products packaging, CEMIX does not give any warranty express or implied as to the suitability of this product for your particular use, because the usage of this product is beyond the control of CEMIX. If you need advice concerning the use of suitability of this product for your particular application, please contact CEMIX first.