

BAGGED CONCRETE PRODUCT RANGE:



CEMIX



Multicrete

Multicrete is a general purpose concrete for projects not requiring fast setting times or very high strength.

- Recommended uses: steps, slabs, footings, pathways, driveways, deck posts, signage, moving strips, garden edging & fence posts.
- Better strength and workability than comparable products.
- Contains performance enhancing admixtures.
- Computerised batching to ensure consistency.

28MPa



Maxcrete

Maxcrete is high strength concrete with early setting and strength.

- Extremely strong setting.
- No comparable product on the market.
- Early setting strength will enable quick use of the area.
- Computerised batching to ensure consistency.

35MPa



Masonry Mortar Mix

Masonry mortar mix is mortar designed for the trade.

- No additives required.
- High quality masonry mortar.
- Contains carefully graded and processed sand fractions.
- Exhibits ideal water demand and high workability.
- A hi-tech blend of admixtures guarantees great results.



Fastcrete

Fastcrete is for general concrete projects requiring very fast setting times with low structural requirements.

- No mixing required, just pour water in the hole and add dry product evenly and slowly.
- Will set within 15 minutes.
- Computerised batching to ensure consistency.

15MPa



Concrete Resurfacer

Concrete Resurfacer is a high performance concrete resurfacing product for renewing aged or spoiled concrete.

- Resurfacing of aged concrete, surface spoiled concrete or cracked concrete.
- Residential driveways, patios and footpaths.
- Shops, restaurants & cafes, hospitals, schools.
- Visit www.cemix.co.nz/cemix-concrete-resurfacer/ to watch the 'how to use' video for Concrete Resurfacer.

25MPa



Pavetight Sand

Pavetight Sand is used to fill gaps between cobbles and pavers.

- Superior blended sands and admixtures specially designed to lock pavers & cobbles.
- Recommended Uses: Sand fill for between pavers and cobbles.
- Ensures pavers and cobbles will lock tightly and helps resist weeds and insects.
- Excellent for high wind and traffic areas.
- Contains special polymers that will bind the sand together.



Super Strength Fastcrete

Superstrength Fastcrete is for any pothole concrete project requiring fast setting high strength with structural requirements.

- Higher strength than comparable products.
- No mixing required, just pour water in the hole and add dry product evenly and slowly.
- Will set within 15 minutes.
- Computerised batching to ensure consistency.
- Not to be used for slabs as this product cannot be mixed in a wheelbarrow or mixer.

30MPa



Cemplaster

Cemplaster is plaster designed for 12mm plus solid plaster work.

- Solid wall plaster bagged product for professional plasterers.
- Has non-shrink & non crack additives.
- Computerised batching to ensure consistency.
- Suitable for most block and brick walls.
- Cemplash needs to be used in conjunction with Cemplaster as a key coat before applying Cemplaster to substrate. Cemplash is used to aid surface bonding for Cemplaster.



Joint Sand

Joint Sand is for joint filling and base preparation for pavers & cobbles.

- No mixing required, just pour water in the hole and add dry product evenly and slowly.
- Will set within 15 minutes.
- Computerised batching to ensure consistency.



No Steel Concrete

No steel concrete is a construction grade concrete, consisting of a uniformly blended and properly proportioned mixture of aggregates, cement, air-entraining admixtures and special synthetic reinforcing fibres. An excellent product for all types of general DIY concrete applications.

- Significantly reduced cracking from drying shrinkage.
- Superior workability.
- Air entrainment for improved freeze-thaw durability.
- Greater impact resistance.
- Eliminates the need for wire mesh in typical small size slab-on-grade applications, such as driveways, floors, patios, and sidewalks in residential situations.

28MPa



Cemortar

Cemortar can be used for landscaping projects including brick walls and stone work. Can be used for brick and block mortar jointing, stone and rock walls, paving bedding & minor plastering repairs.

- Handy small bag size.
- Specially designed for the DIY user.
- Easy to use.
- Computerised batching to ensure consistency.



Bitupatch

Bitupatch is a bitumen cold mix asphalt for the repair of potholes in roads, driveways and paths. Ready to use, no mixing required. Three simple steps: Clean the pot hole; pour Bitupatch; Compact.

- Potholes in asphalt.
- Repairs deteriorating asphalt.
- Speed humps.
- Ramps.
- Water channels.

SELECTION GUIDE

Use our bagged concrete quick selection guide below to choose the best concrete mix for the DIY job you have in mind. Prior to commencing any project, ensure you read packaging and data sheets carefully to ensure the surface has been prepared satisfactorily and the correct application procedure has been followed.

APPLICATIONS	SUPER STRENGTH FASTCRETE	MULTICRETE	JOINT SAND	CONCRETE RESURFACER	CEMPLASTER	MASONRY MORTAR MIX	MAXCRETE	NO STEEL CONCRETE
DRIVEWAY & PATHS	✓							✓
STEPS & SLABS		✓						✓
GARDEN EDGING		✓						✓
MOWING STRIPS		✓						✓
FOUNDATIONS	✓	✓						✓
FOOTINGS	✓	✓						✓
STRUCTURAL APPLIC.	✓	✓						✓
BRICKS & BLOCKS						✓	✓	
LETTER BOXES	✓							
COMMERCIAL STRUCTURAL APPLICATIONS	✓							✓
RESURFACE STRUCTURALLY SOUND CONCRETE				✓				
HEAVY DUTY FENCES	✓	✓						✓
RETAINING WALLS	✓	✓						✓
WASHING LINES	✓	✓						✓
FENCE POSTS	✓	✓						✓
FOOTINGS	✓	✓						✓
BLOCK FILLS	✓	✓						✓
SUN SAIL POSTS	✓	✓						✓
STONE ROUGHCAST						✓	✓	
PLASTERING STEPS					✓			
PLASTERING WALLS					✓			
KERBING					✓			
ROADWAY REPAIR				✓				✓
GULLY TRAP INSTALL				✓				✓
FLOORING PATCH REPAIR		✓						✓
PAVING JOINTS			✓	✓				



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BAGGED CONCRETE PROJECTS

CEMIX



BAGGED CONCRETE RANGE

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BAGGED CONCRETE PROJECT GUIDE:



BUILD RETAINING WALLS

LAY FOUNDATIONS

Identify where you want the retaining wall and dig a trench 500mm deep x 500mm wide x the length of the proposed retaining wall. Box up the trench with boards constructed from 25mm thick timber, which is as wide and deep as the trench. Hold the timber frame in place with 50mm square stakes that are level with the timber frame when knocked in. Check the level of the work area with a spirit level. Allow for the desired slope and check the diagonals. Lay construction mesh on the floor of the boxed trench.

LAY CONCRETE

Calculate how much concrete you will require (two 20kg bags of Cemix® Multicrete will produce concrete equivalent to 500mm x 500mm x 76.8mm) use the Cemix® Quantity Calculator on our website www.cemix.co.nz to calculate quantities. Empty the contents of the Cemix® Multicrete into a wheelbarrow, mechanical mixer or onto a smooth non-porous surface. Add water gradually, mixing thoroughly until a smooth mix is achieved. Under ideal conditions one 20kg bag of Cemix® Multicrete will require 2L of water. Fill half the depth of the boxed trench with a firm mix of Cemix® Multicrete and lay a second layer of construction mesh on top. Work the concrete so that it is compact and air voids are removed. Fill the remaining depth of the boxed trench with a firm mix of Cemix® Multicrete. Level the top and allow to cure for 3 days.

LAY BRICKS

Use Cemix® Cemortar to build up the double brick wall. Calculate how much mortar you will require (one 20kg bag of Cemix® Masonry Mortar Mix is enough to lay 20-25 standard bricks, or 15-20 concrete blocks). Empty the contents of the Cemix® Cemortar into a wheelbarrow, mechanical mixer, or onto a smooth non-porous surface. Add water gradually, mixing thoroughly until a smooth mix is achieved. Under ideal conditions one 20kg bag of Cemix® Cemortar would require 3L of water.

Dampen clay bricks before laying them, however concrete blocks should be laid relatively dry. Trowel a layer of mortar 15-20mm thick between the concrete foundation and the first row of bricks. Leave small gaps in the mortar of the first layer of bricks for drainage. Trowel mortar vertically between bricks so that it is 10-15mm thick. On the layers where the bricks extend past the length of the wall turn the bricks on the side so they fit. Continuously check the wall with a spirit level as you progress. Pointing bricks is easier after the mortar has initially set.

PREPARE DRAINAGE & FINISH WALL

Behind the wall, just above the base foundation place a 15cm deep layer of gravel. Lay a slot drain on the gravel with both ends protruding beyond the width of the wall. Back fill the rear of the wall with soil. Apply Cemix® Bituproof Plus before you back fill to waterproof the block wall.

RESURFACE DRIVEWAY

CRACK REPAIR

Repair cracks with appropriate Cemix® mortar or epoxy.

PREPARE SURFACE

Waterblast driveway. Clean surface removing any and all surface coatings and loose material back to bare concrete.

MIXING

Mix the resurfacer product as per instructions using the correct amount of water and an electric drill.

APPLY RESURFACER

Apply first coat. When dry, apply a mist of water as a primer, then apply a second coat.

TIP

This is a very fast drying product, Brush out any trowel lines or ridges immediately with a trowel or brush. Visit www.cemix.co.nz to watch the video tutorial.



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LAY BRICKS & BLOCKS

PREPARE THE SITE

Mark the work area using string wrapped tightly around pegs or stakes. (The work area should be 150mm wider than the finished area to allow a clear space to work in.) Dig the area, marked by the string - this will be the work area.

The depth of the work area should be:

- 100mm deep for concrete driveways or garage floors
- 75mm deep for paths and areas with light traffic

Allow an additional 75mm depth for a sub-base if you are building a new structure.

MIX MORTAR

Use a spirit level to ensure the area is flat. To build a sub-base for a new structure. Dampen the work area base with water and then roll so that the base is firm and compact. Add a layer of small stones, scoria or rubble to cover the work area base. Again dampen the stones with water and roll so that the base is firm and compact and no more than 75mm thick.

LAY BRICKS OR BLOCKS

Calculate how much mortar you will require (one 20kg bag of Cemix® Mortar Mix is enough to lay 30 - 35 standard bricks, or 20 - 25 concrete blocks). Empty contents of Cemix® Mortar Mix into a wheelbarrow, mechanical mixer, or onto a smooth non-porous surface. Add water gradually, mixing thoroughly until a smooth mix is achieved. Under ideal conditions one 20kg bag of Cemix® Mortar Mix will require 3L of water.

FINISH BRICKS OR BLOCKS

Dampen clay bricks before laying them, however concrete blocks should be laid dry. Trowel a layer of mortar 15 - 20mm thick between the concrete foundation and the first row of bricks. Leave small gaps in the mortar of the first layer of bricks for drainage. Once placed, tap the bricks or blocks firmly into position. Trowel mortar vertically on the next brick or block 10 - 15mm thick and position it against the first. Continuously check with a spirit level and your string level as you progress. Adjust the string level to the right height as more rows of bricks are added. Pointing bricks is easier after the mortar has initially set.

Use the trowel to remove any excess mortar between rows. Later use a stiff brush to remove any smears from the bricks or blocks.

ERECT POSTS

DIG HOLE

Use a posthole digger, or a small bladed spade to dig the hole for the post. Don't dig the hole too wide but ensure 25% of the post is below ground level to give sufficient strength.

PUT IN THE POST

Check the post is straight by using a spirit level. Stabilise the straight post by wedging broken bricks against the side of the post and the side of the hole.

FILL WITH WATER

Pour Cemix® Fastcrete straight from the bag into the hole around the post. Ensure the concrete gets wet progressively as you pour. Do not empty the bag quickly as this will lead to dry patches. If any drying on the top persists, sprinkle with water. Rod the concrete if required to release entrapped air.

Calculate the size of the hole (two bags of Fastcrete can be used if the length of the post below ground is 0.4 - 0.6m and the height above ground is 1.2-1.8m). Pour 3 - 4L of water in the hole per 25kg bag of Cemix® Fastcrete. Compensate for any ground drainage that might soak up the water. If the soil you are erecting the post in is particularly sandy, line the hole with plastic.

FILL WITH CONCRETE

After a minimum of 15 minutes the hole can be topped up with earth. Note: For structural projects use Cemix® Super Strength Fastcrete 30MPa.

To protect untreated timber posts apply Cemix® Bituproof Plus to the section of the post which will be buried into the lime mixture with a paint brush.

Posts can be erected using steel brackets. These are concreted in the hole with the post bolted to a stirrup above ground level. If you wish to use this method we recommend Cemix® Multicrete or Cemix® Maxcrete High Strength Concrete 35MPa for additional strength.

WHY CHOOSE:

SUPERSTRENGTH FASTCRETE



Double the strength of Fastcrete = 30MPa.

Initial set time 15 minutes.

For posts over 1.2m high.

Use for large signs, washing lines, foundation and footings and heavy duty fence posts.

2 BAGS PER POST
DOUBLE THE STRENGTH OF FASTCRETE



NO STEEL CONCRETE



Superior workability with up to 28MPa.

Will significantly reduce cracking from dry shrinkage.

Has great impact resistance.

Use for general concrete projects, driveways, floors, patios and sidewalks.

REMOVES THE NEED FOR STEEL REINFORCING



MAXCRETE HIGH STRENGTH 35



High early strength.

Can withstand light traffic within 8 hours.

Use for foundation walls and footings, sidewalks, curbs, steps, ramps and walkways.

Up to 35MPa with full cure.

HIGH STRENGTH CONCRETE FOR STRUCTURAL JOBS



CONCRETE RESURFACER



For aged or spoiled concrete.

Easy application with a steel squeegee or trowel.

Cost effective - saves removing or replacing good concrete.

Use for driveways, patios, footpaths, shops, hospitals restaurants / cafes and schools.

COST EFFECTIVE
1 x 20kg bag = 10m²

