



MORE THAN CONCRETE

0800 ASK CEMIX

CONCRETE & MORTARS

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# MAXCRETE

## HIGH STRENGTH CONCRETE

AVAILABLE SIZE: 20kg | 25kg



**STRENGTH**  
AT 28 DAYS



**SET TIME**



**CURING**  
TIME



**WORK**  
TIME



**SCAN FOR**  
DETAILS

### DESCRIPTION:

CEMIX MAXCRETE is ideal for all types of general purpose or heavy duty concrete work, especially projects requiring high early strength. It consists of a uniformly blended and proportioned mixture of sands, aggregates, increased proportions of Portland cement and admixtures, designed to improve the concrete's strength, workability and performance. CEMIX MAXCRETE is grey in appearance however it can be coloured to suit using selected CEMIX OXIDE POWDERS. It can be further enhanced by using the range of CEMIX decorative sealers and dust proofing hardeners. When mixed, applied and cured to the instructions below, CEMIX MAXCRETE will attain a compressive strength of 20MPa in 3 days and 45MPa after 28 days.

### SUITABLE PROJECTS:

- Projects requiring high early strength for faster serviceability – Structural in 3 days
- Concrete jobs with a minimum of 40mm thickness
- Heavy duty work - Landscaping, civil, commercial, kerbs, equipment platforms
- Heavy vehicle traffic areas
- Heavy traffic areas
- Foundations and footings - residential and commercial
- Footpaths requiring high abrasion resistance

### LIMITATIONS:

CEMIX MAXCRETE can be used for every day general purpose and structural concrete work however with its higher cement content it is ideal for many heavy-duty landscaping, commercial and civil projects. Some heavy-duty projects do require specific strengths or product characteristics. Whilst in general CEMIX MAXCRETE will be an appropriate product for such work, it is recommended that site specific advice be first obtained by contacting CEMIX PRODUCTS LTD.

### PREPARATION:

The area to be concreted should first be marked out with string lines. Once excavated, ensure the area is firm. A layer of compacted gravel and/or reinforcing steel can be used if required. Place 20mm thick wooden boxing edge timber and secure with wooden pegs at 600mm - 900mm intervals. Dampen the area before the concrete is placed.

### MIXING:

- If only a portion of the bag is being used, the entire contents must first be emptied in to a wheelbarrow and gently yet thoroughly reintegrated, as the materials may have segregated during transport
- One bag of CEMIX MAXCRETE will require approximately 2 - 2.5 litres of clean fresh water
- In a clean wheelbarrow or mechanical mixer add approximately half of the prescribed water
- Next, add the contents of the bag and mix thoroughly for at least 2 minutes
- Add more water up to the maximum of 2.5 litres in total and continue to mix for an additional 3 - 4 minutes until a suitable mixture is achieved. The ideal mix should resemble porridge. Do not add more water as this may weaken the finished set concrete
- Use mixed concrete immediately. Do not allow to stand
- If no wheelbarrow or mixer is available, CEMIX MAXCRETE can be mixed on a clean flat surface by placing the dry material first, then adding the water and mixing as above

### APPLICATION:

- Place the concrete in to the boxed area, spreading it evenly with a spade or rake, ensuring that the concrete reaches all corners. Care must be taken to thoroughly work the mix as you go, to remove any air voids. This can be achieved with sharp stabbing motions with the spade. As best practice and



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to achieve the most optimal concrete strength, a mechanical concrete vibrating device is recommended. **Note:** CEMIX MAXCRETE contains a higher cement content than standard concrete mixes, therefore it may feel different when placing. This is normal though it may require some adjustment to the time taken to place the mix

- Once the concrete is in place, gently tap the boxing several times every 1 - 2 metres to remove any air voids that may have accumulated at the edges
- Level off the concrete and finish flat with a wooden straight edge
- Final finishing can be done after approximately an hour, once the concrete has partially set and any initial surface water has evaporated. This is done using a wooden float for a coarse finish or a steel trowel for a smooth finish. Alternatively, a non-skid finish can be achieved using a stiff bristled broom
- For larger areas consider the use of control joints. These can be achieved by either inserting control joint strips at the time of placing the concrete or after it has set, using a masonry saw. Joints should be placed at 2 - 3 times the width of the slab

## CURING:

- Use one of the range of CEMIX curing compounds to cure the concrete, or alternatively keep the surface damp and protected from sun and wind for the first 7 days
- As with all concretes, CEMIX MAXCRETE will take 28 days to attain its full and final compressive strength. Avoid walking or driving on fresh concrete for at least the first 3 days
- Regardless of curing method, do not apply any sealers to freshly laid concrete for 28 days

## CLEANING UP:

Ensure all tools used are cleaned with water as soon as work has finished. Should any concrete become set on tools, it can in general be removed using CEMIX CONCRETE DISSOLVER.

## SHELF LIFE:

CEMIX MAXCRETE can be stored well sealed in its original bag, in a dry place, for a period of 6 months.

## YIELD:

One 20kg bag will produce approximately 0.01m<sup>3</sup>, enough for a slab equivalent to 300mm x 300mm x 100mm

One 25kg bag will produce approximately 0.12m<sup>3</sup>, enough for a slab equivalent to 400mm x 300mm x 100mm

**Read Label Before Use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.**

## DANGER:



**PORTLAND CEMENT - THIS PRODUCT MAY CONTAIN CRYSTALLINE SILICA**

## HAZARD STATEMENTS:

- Causes skin irritation
- Causes serious eye damage
- May cause an allergic skin reaction
- May cause respiratory irritation

## PREVENTION:

- Use only outdoors or in a well ventilated area
- Wear protective gloves/protective clothing/eye protection/face protection
- Avoid breathing dust/fumes
- 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
- Immediately call THE NATIONAL POISON CENTRE (0800 764 766) or a 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
- 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 with bag tightly closed

## DISPOSAL:

Dispose of contents/container in accordance with local regulations.



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### INGREDIENTS:

- Graded Sand, 14808-60-7, 45 - 50%
- Limestone, 1317-65-3, 30 - 35%
- Portland Cement, 65997-15-1, 15 - 20%
- Ingredients determined not to be hazardous, (CAS: N/A), 10 - 30%

### 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 products 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 at no cost in accordance with the requirements of the Consumer Guarantees Act.

### SCAN QR CODE FOR MORE PRODUCT INFORMATION



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