

DATA SHEET

NO STEEL CONCRETE

Fibre reinforced concrete



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PRODUCT DESCRIPTION

NO STEEL CONCRETE is a 28 MPA construction-grade concrete, consisting of a uniformly blended and properly proportioned mixture of aggregates, cement, air-entraining admixtures and special synthetic reinforcing fibres. This is an excellent product for all types of general DIY concrete applications.

RECOMMENDED USE

Concrete projects 40mm thick or more. This mix has a unique formulation, offering benefits such as:

- 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.

COMPOSITION & MATERIALS

NO STEEL CONCRETE mix consists of a uniformly blended, properly proportioned mixture of stone, gravel, sand, cement, fibres and other admixtures approved for use in concrete to improve workability and performance of the product.

PACKAGING

25kg bags

YIELD

One 25kg bag will approximately produce a slab equivalent to 1000 x 300 x 40mm (0.012 cubic meters).

DIRECTIONS FOR USE

1. Empty contents into a wheelbarrow or mechanical mixer or onto a smooth non-porous surface. You can also use the CEMIX EZY Concrete Mixing bag.
2. Add water gradually, mixing thoroughly until a workable mix is achieved. Under ideal conditions a bag of 25kg would require about 2.5 litres of water.
3. Use mixed concrete immediately, do not allow to stand.
4. Dampen the sub grade before concrete is placed.
5. Upon placing the concrete at site, work sufficiently to remove air voids if any and compact well with a tamping rod working into all areas.
6. Level off the corners and finish flat with a wooden float for coarse finish or a steel trowel for a smooth finish.
7. Spray CEMIX CONCRETE CURE on freshly laid concrete to cure concrete and avoid water evaporation leading to crack formation.
8. In a large slab cut control joints as per the engineer's calculation.

NOTE : Fibres in this mix will resist cracking and thus not prevent cracking caused by overloading the slab with weight or due to movement in the substrate. For commercial heavy duty slabs please follow the engineers design guidelines.

TECHNICAL DATA

After 7 days the concrete will achieve a minimum strength of 17MPa and 28MPa after 28 days.

STORAGE

Store all cement products in a cool dry area and use within 6 months.

WARNINGS

HAZARDOUS - PORTLAND AND BLENDED CEMENT
This product may contain Crystalline Silica.

RISK

Cements may cause respiratory, skin and eye irritation. Wet cement can be irritating and corrosive to eyes and skin; and may cause skin sensitization (dermatitis). Repeated inhalation may cause bronchitis, silicosis and lung cancer and increase risk of scleroderma.

SAFETY

Avoid contact with eyes and skin, both from wet and dry mix. Do not breathe in dust. Wear suitable protective clothing, gloves, eye protection and barrier cream. Wear a suitable dust mask. Wash thoroughly after handling and properly store any leftover material.

FIRST AID

Irrigate eyes with plenty of water and seek medical advice immediately.

SPILLS AND LEAKS

Keep out of sewers and stormwater drains and dispose of any leftover material as trade waste in accordance with local authority guidelines. Additional information can be had from the brochures or by calling 0800 ASK CEMIX.

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 LTD 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 LTD. If you need advice concerning the use of suitability of this product for your particular application, please contact CEMIX LTD first. If this product is defective because of CEMIX LTD's fault, please contact the supplier or CEMIX LTD who will replace it at no cost.