

# CEMIX



## DIY GUIDES:

# 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. This is an excellent product for all types of general concrete applications. Use on concrete projects 40mm thick. It will significantly reduced cracking from drying shrinkage, superior workability, air entrainment for improved freeze-thaw durability, greater impact resistance. It eliminates the need for wire mesh in typical slab-on-grade applications, such as driveways, floors, patios, and sidewalks in residential situations.

**28MPa**

## DIRECTIONS



### Step One

Empty contents into a wheelbarrow or mechanical mixer or onto a smooth non-porous surface.



### Step Two

Add water gradually, mixing thoroughly until a workable mix is achieved. Under ideal conditions a bag of **25kg** would require aPPROX **2.5** litres of water.



### Step Three

Use mixed concrete immediately, do not allow to stand.



### Step Four

Damp the substrate before the concrete is placed.



### Step Five

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.



### Step Six

Level off the corners and finish flat with a wooden float for coarse finish or a steel trowel for a smooth finish.

### Step Seven

Spray **CEMIX CONCRETE CURE WB** on freshly laid concrete to cure concrete and avoid water evaporation leading to crack formation. In a large slab cut control joints as per the engineer's calculation.

**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

### YIELD

1 x 25kg bag / approx produce a slab equivalent to 1000 x 300 x 40mm (0.012 cubic meters).

### STRENGTH

7 days / minimum strength of 17MPa

28 days / 28MPa



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