



Australian Builders High Strength Concrete



Australian Builders high strength concrete is a premium well-proportioned mix of cement, 7-10 mm aggregates and sand. This dry concrete mix can be used for projects where higher concrete strength is required.

APPLICATIONS

Australian Builders concrete mix is ideal for the following applications.

- Concrete Paths or driveways
- Garden borders
- Post fixing for fence and pergolas
- Small concrete slabs
- Decking Post
- Foundations
- Stepping stones
- Structural concrete work

PROPERTIES OF AUSTRALIAN BUILDERS HIGH STRENGTH CONCRETE

The table below shows the typical properties of Australian Builders High strength concrete mix. All the tests are conducted in accordance with the relevant Australian Standards test methods, at a NATA registered laboratory.

Approximate mix composition (parts by volume)	
Cement	1.5
Sand	2
7-10mm aggregates	2
Compacted density (cast) kg/m³	2200-2400
Compressive strength of concrete (MPa) tested according to AS 1012.9	
7 day (MPa)	>30
28 day (MPa)	>40

DIRECTION TO USE

- Empty contents into a wheel barrow or onto a smooth, strong surface.
- Add water gradually into dry mix until a consistent and workable mix is formed.
- As a guide, use approximately 2.4 litres of clean water for 20 kg dry mix.
- Try to use a minimum amount of water to get maximum performance in concrete (additional water creates several problems in concrete including strength reduction, increase porosity and durability problems).
- Use concrete immediately after mixing.
- Avoid overworking on wet concrete surface. Try to do smooth finish after initial setting is achieved in concrete (approximately within 2 hours).

CURING

Fresh concrete should be protected from rapid moisture loss. Concrete can be kept moist all the time by covering with plastic sheets and Hessian. First week of curing is very critical for achieving the maximum performance of the end-product. Curing should start as soon as the concrete has been finished.

YIELD

Approximately 100 bags of 20 kg concrete are enough to produce 1m³ of concrete.

HANDLING AND STORAGE

Manual handling of bag products without due care and attention may result in personal injury. Unless you have been trained in manual handling methods. It is suggested that you share the load with another person. Australian Builders high strength concrete mix can be stored up to six months provided it is stored in a place dry place which is protected from ingress of moisture.

SAFETY INFORMATION

For safety information refer to the safety data sheet (SDS) for Australian builders concrete mix. SDS is available in www.bpsaust.com

AVAILABILITY

Australian Builders high strength dry concrete mix is available in 20kg bags.

