

# From strength to strength

**NOW AVAILABLE**

High Strength Concrete is a well-proportioned mix of cement, aggregate and sand delivering enhanced performance, high early strength, and long-term durability. This product is designed to achieve a nominal 50 MPa compressive strength at 28 days\*.



- ✓ Easy to use, just add water
- ✓ Rainproof Packaging
- ✓ Superior early strength development
- ✓ Double the compressive strength achieved at 28 days\*\*

**adbri**  
ADELAIDE BRIGHTON CEMENT

Contact your Adbri Cement Account Manager for further details 08 8300 0440

Manufactured in South Australia

\*When mixed and placed in accordance with the recommended directions for use.

\*\*Compared to conventional 25 MPa pre-packaged concrete mix



# Adelaide Brighton Cement High Strength Concrete

A high quality, well-proportioned mix of cement, 10 mm aggregate, and sand. This product is suitable for higher strength applications and designed to achieve a nominal 50 MPa compressive strength at 28 days when mixed and placed in accordance with the recommended directions for use. It simply requires the addition of water followed by mixing prior to use.

## Performance

High Strength Concrete offers enhanced performance compared to conventional 25 MPa pre-packaged concrete, such as:

- Superior early strength development.
- Double the compressive strength achieved at 28 days.
- Reduced permeability resulting in denser, more durable concrete.

High Strength Concrete is manufactured under a third-party certified manufacturing and supply quality assurance system to ISO 9001 (BSI Certification No FS 604665).

## Applications

High Strength Concrete is ideal for:

- Floor slabs, driveways, and footpaths.
- Mowing strips and garden borders.
- Fence/gate posts, clotheslines, and pergolas.

Do not use in structural grade concrete applications without first seeking the approval of a qualified structural engineer.

## Typical properties

Approximate mix composition (parts by volume)	
Cement binder:	1
Sand:	1.5
10mm aggregate:	1.5
Compacted density (cast)	2,350 – 2,450 kg/m <sup>3</sup>
Slump (AS1012.3.1)	Max. 100 mm
Compressive strength (AS1012.9)	
28 Day	Nominal 50 MPa

For safety information refer to the Safety Data Sheet for High Strength Concrete.



Rainproof  
(If unopened)



Longer Shelf Life  
(if unopened)



Reduced Dust  
(If unopened)



Stronger &  
Tear Resistant



Environmentally  
Friendly Packaging



Recyclable  
Packaging

## Directions for use



1. Empty the bag into a wheelbarrow, onto a hard non-absorbent surface, or mixer.



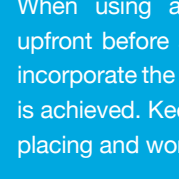
2. Add water gradually and mix thoroughly. Add only sufficient water to make a workable and placeable concrete. As a guide, consult the below table for suggested water addition.



3. Place the concrete into well supported formwork within 45 minutes of mixing.



4. Compact or tamp the concrete into all parts of the formwork and screed level.



5. Wait for surface bleed water to evaporate and concrete to harden to the touch.

6. Work the surface with a steel trowel for a smooth finish, or a wooden float for a rough finish.

7. To prevent concrete from prematurely drying out, continuously moist cure for 7 days.

When using a mixer, add 50% of the required water upfront before adding the full concrete pack. Incrementally incorporate the final 50% of water until the desired workability is achieved. Keep water content to the minimum required for placing and workability.

## Suggested water addition and yield

Bag size	Maximum water	Yield per bag	No of bags/ m2 at 100 mm thick
20 kg	2.0 litre	9.0 litre	11 bags

It is recommended to use the full bag in one application. Part bags may be aggregate or cement rich due to segregation. Quantities are typical industry averages; individual and application use patterns may vary.

AVAILABLE FROM  
HARDWARE AND  
BUILDING SUPPLY  
OUTLETS



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