



# HIGH STRENGTH CONCRETE

## PRODUCT DESCRIPTION

Swan Cement High Strength Concrete is a well-proportioned mix of cement, 10 mm crushed aggregate, and sand.

High Strength concrete is suitable for all non-structural applications such as floor slabs, driveways, and footpaths.

It only requires the addition of water followed by mixing prior to use.

## SUPPLY

High Strength Concrete is available from most retail hardware and building supply outlets.

High Strength Concrete is pre-packed into easy to handle 20 kg plastic sacks.

## SPECIFICATION

High Strength Concrete is designed to achieve a nominal 40 MPa at 28 days when mixed and placed in accordance with recommended instructions.

All products are 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, garden borders, hole filling for fence posts and pergolas.

## Limitations

- Do not use in structural grade concrete applications.
- Do not mix with other binding agents or admixtures.
- Over-watering this product will significantly reduce compressive strength and durability.

## DIRECTIONS FOR USE

1. Empty the bag into the wheelbarrow or onto a hard non-absorbent surface or mixer.
2. As a guide, consult the table for suggested water addition.
3. Add water gradually and mix thoroughly, being careful not to allow cement to wash away. Add only sufficient water to make a workable and placeable mix.
4. Place the mixed concrete into well-supported forms within 45 minutes of mixing.
5. Compact or tamp the concrete with a rod, working into all parts of the form and screed level.

6. Wait for bleed water to evaporate from surface and for the surface to harden to the touch.
7. Finish the surface with a steel trowel for a smooth finish or a wooden float for a coarse finish.
8. Cure the concrete for a minimum 7 days.

## SUGGESTED WATER ADDITION AND YIELD

Bag Size	Maximum Water	Yield/Bag	No of bags/m <sup>2</sup> at 100 mm thick
20 kg	2.4 litre	9.0 litre	11 bags

## TYPICAL PROPERTIES

Approximate Mix Composition (parts by volume)	
Cement binder	: 1
Sand	: 2
10 mm aggregate	: 2
Compacted Density (cast)	2,250 - 2,350 kg/m <sup>3</sup>
Slump (AS1012.3.1)	Max. 90 mm
Compressive Strength (AS1012.9)	
28 Day	Nominal 40 MPa

## 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.

High Strength Concrete can be kept for up to six months provided it is stored in a place, off the ground, protected from ingress of moisture. Ingress of moisture can occur due to rain, liquid spillage (on or around the product) or a high humidity climate. Such exposure will degrade the performance of the product.

## SAFETY INFORMATION

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



# HIGH STRENGTH CONCRETE

## CONTACT POINTS

For further information contact the Sales and Marketing Department at:

Swan Cement Ltd  
ABN 50 008 673 470  
Lot 242 Russell Road East  
Munster WA 6166  
**Telephone:** 08 9411 1111

**Email:** [sales@cockburncement.com.au](mailto:sales@cockburncement.com.au)

**Web Site:** [www.swacement.com.au](http://www.swacement.com.au)

## DISCLAIMER

While the information in this Product Data Sheet has been prepared in good faith, Swan Cement Limited does not warrant that the information is accurate, complete or up to date.

Each user of any information, or any product referred to, in this Product Data Sheet must:

- Determine whether the information or product is suitable for their purpose;
- Assess and control any risks associated with the information or product; and
- Obtain professional advice in relation to the use of the information or product.

Failure to do so may result in serious damage or injury.

To the extent permitted by law, Swan Cement Limited:

- Excludes all representations, warranties and guarantees in relation to any information in this Product Data Sheet; and
- Will not be liable for any direct, indirect, consequential, incidental, special or economic loss (including but not limited to any loss of actual or anticipated profits, revenue, savings, production, business, opportunity, access to markets, goodwill, reputation, publicity, or use) arising from any use of or reliance on any information in this Product Data Sheet.

The Swan Cement logo and Swan Cement are registered trademarks of Swan Cement Limited and its related entities.