

TECHNICAL DATA SHEET QUICK SET HIGH STRENGTH CONCRETE



PRODUCT DESCRIPTION

Easy Mix Quick Set High Strength Concrete is a premixed, bagged product containing accurately weighed Portland cement, specially graded coarse and fine aggregates, and quality admixtures.

Quick Set High Strength Concrete includes a non-chloride accelerator which ensures a far more rapid setting time compared to standard concrete.

Because of its rapid setting qualities and overall performance strength, Quick Set High Strength Concrete is ideal for the following applications:

- Large sized posts
- Fence corner posts
- Gate posts
- Structural supports

PRODUCT PACKAGING

Easy Mix Quick Set High Strength Concrete is available in 20kg bags.

COVERAGE RATES

Each 20kg bag contains approximately 10 litres of Concrete.

1x 20kg Bag = 0.01m³
99x 20kg Bags = 1.0m³

Note: Use approximately two 20kg bags per post hole.

APPLICATION INSTRUCTIONS

1. Ensure the hole does not contain any water (this product sets very quickly – water in the hole will cause product to harden before you are ready). Pour half the bag of dry concrete into the hole, around the post.
2. Check the post is level and tamp down the dry concrete, creating holes to allow water penetration. Pour half of the water onto the concrete and tamp.

Note: Water required is 2 litres per 20kg of Easy Mix Quick Set High Strength Concrete.

3. Add the remainder of the concrete, tamp to create holes for water penetration, then pour the remainder of the water onto the mix. **DO NOT STIR.**

4. Tamp the wet mixture, allowing water to flow down deep into the concrete. Always ensure your eyes are suitably protected.

HANDY HINTS

Temperature

Warm and or / humid environments will reduce the work time of this product. To complete, keep the material cool and use cold or chilled water when mixing.

This product should not be used in ambient temperatures below 7 degrees Celsius.

Post Hole Size

Width – at least twice the diameter of the post.

Depth – 1/3 of the length of the post (approximately 1/3 of the post in the ground) is ideal).

CLEAN UP

Clean all surrounding areas and surfaces immediately with water, ensuring no waste or contaminated water ends up in drains or waterways.

TECHNICAL PERFORMANCE

CRITERIA	AVERAGE RESULT
Water Added per 20kg	2 litres
Consistency (slump)	0
Plastic Density	2400kg / m ³ (approx)
Volume Yield m ³	9 litres (approx)

COMPRESSIVE STRENGTH (AS1012.2 : 1994)

8 hours	8MPa
7 days	19MPa
28 days	> 32MPa

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COMPRESSIVE STRENGTH

The compressive strength results quoted are achieved by crushing 50mm cubes of this product that have been homogeneously mixed and then cured in controlled laboratory conditions for 28 days.

Please note that variations to be nominated maximum compressive strength may occur due to environmental factors, mix ratios, ground conditions and placing techniques.

When maximum strength achieved is absolutely imperative agitator is recommended.

PRODUCT STORAGE

Easy Mix Quick Set High Strength Concrete will keep for up to six months if kept in a dry store, off the ground and providing the bags remain sealed.

High temperature and high humidity conditions may reduce the storage life of the product.

PRECAUTIONS FOR USE

Easy Mix Quick Set High Strength Concrete contains cement powders which can be harmful to the skin.

During use, avoid inhalation of dust and contact with the skin and eyes. Wear suitable clothing, gloves, eye protection and respiratory protective equipment.

If contact with the skin occurs, thoroughly clean the area with plenty of fresh water and soap. In case of contact with the eyes rinse with plenty of fresh water and seek medical advice.

If swallowed, seek medical attention immediately. **Do not induce vomiting.**

For further information consult the Material Safety Data Sheet and read the product label carefully before use.

Material Safety Data Sheets are available by phoning 1800 077 744.

PLEASE NOTE

The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses.

To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexperienced or negligent application, or ordinary wear and tear.

Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not River Sands), is responsible for procedures relating to the application of the product.



EASY MIX
A Division of River Sands Pty Ltd
683 Beenleigh-Redland Bay Road
Carbrook QLD 4130
Australia

(07) 3412 8111 or 1800 077 744
www.easymixsales.com.au