

TECHNICAL DATA SHEET EASY MIX RAPID SET CONCRETE



DESCRIPTION

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

Rapid Set 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, Easy Mix Rapid Set Concrete is ideal for the following applications:

- Pergola posts
- Installation of stirrups
- Fence posts
- Signs
- Footings
- General areas where a quick setting time is required

PRODUCT PACKAGING

Easy Mix Rapid Set Concrete is available in 20kg and 30kg bags.

PRODUCT COVERAGE

Each 20kg bag contains approximately 10 litres of concrete.

1	x	20kg Bag	=	0.01m ³
100	x	20kg Bags	=	1.0m ³
1	x	30kg Bag	=	0.0151m ³
67	x	30kg Bags	=	1.0m ³

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

APPLICATION INSTRUCTIONS

DRY METHOD

- 1 Prepare post holes and brace the posts in position.
- 2 Thoroughly wet the hole so that the hole does not soak up the water required for the Easy Mix Rapid Set Concrete mix.
- 3 Add the required amount of Easy Mix Rapid Set Concrete into the hole around the post. DO NOT MIX. Ensure the post is level.
- 4 Pour the required volume of water on top of the concrete (1x 20kg bag requires approximately 2 litres of potable water).
- 5 Allow to cure for two hours before continuing with the next construction stage.

WET METHOD (for greater compressive strength)

- 1 Hole width should be twice the diameter of the post and the hole depth is one third of the post length. Add 100mm of the dry concrete mixture to the base of the hole before placing post.
- 2 Dampen the wheelbarrow or mixing board before adding dry mixture as a mound, then slowly add approximately 2.5 litres of water to the contents of one 20kg bag. (Note: forming a void in the dry mixture will help retain the water in the mix when it is added). Quickly mix the bag contents and water with a shovel by turning the mixture over on itself until it appears uniform in colour. This initial mixing process should take no more than 1-2 minutes. Only mix sufficient material that can be placed within 10 minutes of mixing.
- 3 Insert post into hole. If needed, use clamps and timber to brace posts in position, making sure they are level. Place the wet mixture into the hole around the post.
- 4 Tamp the mix to make sure the concrete is firmly packed.

Note: Due to the fast setting time of Easy Mix Rapid Set Concrete, if the product is mixed manually in a wheel barrow or on a flat surface, use 2.5 litres water per 20kg bag, and only mix what can be installed within 10 minutes of mixing.

HOLE SIZE

Width = 2 x width or diameter of the post
(100mm x 100mm post requires a 200mm x 200mm hole)

Depth = 1/3 of the length of the post
(2m post length requires hole depth of 600mm)

Note: Some structures may need formal approval – see local council for details.

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	Avg. Results
Water added per 20kg bag	2.5 litres
Consistency (Slump)	N/A
Plastic Density	2200kg/m ³
Volume Yield	0.01m ³ per 20kg bag

*Not applicable due to rapid setting properties.

Compressive Strength (AS1012.2 : 1994)

1 day	1.0-2.0MPa
7 days	15-20MPa
28 days	20-25MPa

PRODUCT STORAGE

Easy Mix Rapid Set 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 Rapid Set 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 at www.easymixsales.com.au or 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, inexpert 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.



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