

August 2024

PRODUCT DESCRIPTION

Easy Mix Concrete Supremo 32MPa is a superior high strength, premix, bagged product containing accurately weighed cements, graded sands, gravels and admixtures.

Achieving 32MPa compressive strength, this quick setting, commercial strength concrete is designed as the superior, single product solution for demanding trade and residential applications.

With additives to ensure a far more rapid settling time than concrete, better compaction around posts and up to 20 minutes preparation window (to add water, mix, place, trowel and finish), Easy Mix Concrete Supremo 32MPa offers quicker project completion with greater ease.

Because of its rapid setting qualities and overall performance and strength, Easy Mix Concrete Supremo 32MPa is ideal for the following applications:

- Demanding projects requiring high strength 32MPa concrete
- Concrete slabs – residential, driveways and light commercial
- Professional, large-sized and corner fence posts
- Gate posts – particularly for supporting heavy gates
- Structural supports and footings
- Shade Sails and Playground equipment including swings
- Commercial and Government Signage Posts

PRODUCT PACKAGING

Easy Mix Concrete Supremo 32MPa is available in 20kg bags, packed 70 bags per pallet.

Available in Site Right Tough and Rain Proof plastic bags designed for outdoor storage from our Brisbane factory.

PRODUCT COVERAGE

Each 20kg bag contains approximately 10 litres of concrete.
 1 x 20kg Bag = 0.01m³
 100 x 20kg Bags = 1.0m³

Estimated number of bags required:
 To place a concrete slab 75mm in thickness: 8 bags per square metre.

To place a post hole 600mm deep: 3-4 bags per post hole.

APPLICATION INSTRUCTIONS

HOW TO LAY A SLAB

(must be completed in 20 minutes before rapid hardening)

1. Make sure your project is properly laid out with all the necessary tools ready. Prepare and level formwork prior to commencing
2. Place required amount of concrete into a wheelbarrow or mixer. Create a well if mixing in a wheelbarrow.
3. Calculate the amount of water you need. One 20kg bag of Concrete Supremo 32MPa requires 2.0-2.3 litres of water when mixed in a concrete mixer or 2.0-2.5 litres of water if mixed manually in a wheelbarrow. Pour water gradually into the centre of your hollow.
4. Mix with a shovel as you go to ensure you get good consistency. Do not add water after the concrete has been mixed as this reduces the strength of the concrete.
5. Pour your mix into your pre-prepared formwork, making sure you fill the edges and corners.
6. Smooth the surface using a trowel depending on the size of the area. When the surface is level, use a float or trowel to achieve a smooth surface. Use a broom to apply surface texture if required. Alternatively complete the final finish with a trowel. Once finished, do not rework the concrete surface.

Guide to the number of bags required for a 75mm thick concrete slab.							
Length of slab	Width of slab						
	450mm (W)	650mm (W)	900mm (W)	1100mm (W)	1350mm (W)	1600mm (W)	1800mm (W)
500mm (L)	2	3	4	5	6	6	7
600mm (L)	2	3	5	5	7	8	9
700mm (L)	3	4	5	6	8	9	10
800mm (L)	3	4	6	7	9	10	11
900mm (L)	4	5	7	8	11	12	13
1000mm (L)	4	5	7	8	10	12	14

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HOW TO SET A POST

1. Hole width should be twice the diameter of the post and the hole depth one third of the post length. Add 100mm of the dry Easy Mix Concrete Supremo 32MPa mixture to the base of the hole before placing post.
2. Dampen the wheelbarrow or mixer before adding the remainder of the dry mixture then slowly add approximately 2.5 litres of water to the contents of one 20kg bag. Mix with a shovel as you go to ensure you get good consistency.
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 mixture to make sure the concrete is firmly packed.

GUIDE TO HOLE DIMENSIONS FOR POSTS

Hole height = 1/3 of the length of the post

(A 2m post length requires a hole depth of 600mm)

Hole width = x2 width of diameter of the post

(A 100mm x 100mm post requires a 200 x 200mm hole)

Filling a hole of the above size will require up to 3 x 20kg Concrete Supremo 32MPa.

AMBIENT TEMPERATURE

Hot 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 temperature below 7 degrees C.

TECHNICAL PERFORMANCE

Criteria	Average Result
Water added per 20kg bag	2.5 litres
Consistency (Slump)	80mm
Plastic Density	2230kg/m ³ (approx)
Volume Yield	0.01m ³ per 20kg bag

COMPRESSIVE STRENGTH

Compressive Strength (AS1012.2 : 1994)	
1 day	> 5MPa
7 days	> 20MPa
28 days	> 32MPa

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

The compressive strength results quoted are achieved by crushing 100mm diameter x 200mm high concrete cylinders of this product that have been homogeneously mixed and then cured in controlled laboratory conditions for 28 days.

Please note that variations to nominated maximum compressive strength may occur due to weather conditions, water mix ratios, ground conditions, placing and curing techniques.

When maximum strength achieved is absolutely imperative, the use of premix concrete delivered from a concrete agitator is recommended.

PRODUCT STORAGE

Easy Mix Concrete Supremo 32MPa will keep for up to six months 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.

CLEAN UP

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

PRECAUTIONS FOR USE

Easy Mix Concrete Supremo 32MPa 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 Safety Data Sheet and read the product label carefully before use. Safety Data Sheets are available on www.easymixsales.com.au