

RAPID SET CONCRETE



Cement Australia's Rapid Set Concrete is a non-corrosive fence or post fixing product manufactured using cement, sand and selected aggregates and is formulated to harden rapidly without mixing. Part of the 'Just Add Water' range, Rapid Set Concrete product is highly suitable for fixing fence and non load bearing pergola posts, clothes hoists and many other non-structural uses.

JUST ADD WATER

Only clean potable water should be used with Rapid Set Concrete on site to ensure that the best results are obtained from this product.



Directions For Use

1. The hole in which the post or pole will be placed should be pre-wet to limit the absorption of the water into which the Rapid Set Concrete is to be poured.
2. Sandy and/or fast draining soils may require a plastic lining to prevent seepage of the water into the ground.
3. Place the post or pole in the hole and provide support so that it does not fall over.
4. Measure out the correct amount of water and pour into the hole.
5. Pour in the bag of Rapid Set Concrete making sure it is evenly distributed around the post or pole without delay.

Note: It is important with Rapid Set Concrete that Step 4 (water addition) is always carried out before Step 5 (addition of pre-mixed Rapid Set Concrete)

6. The supports may be removed after 45 minutes to one hour, depending on ambient temperature. It is advisable to test the stability of the post before removing supports.
7. If more than one (1) bag of Rapid Set is needed to fill the hole, repeat instructions 4 and 5 and place the additional amount of Rapid Set Concrete within 5 minutes of the previous bag.

Applications

Rapid Set Concrete is designed for use in fixing fence and pergola posts and is ideal for permanently securing clothes hoists, sporting posts and playground equipment (refer to important note in limitations), steel posts for street signs and numerous other uses around the home and garden, as well as various similar commercial applications.

Features & Benefits

- Rapid Set Concrete will stiffen in 15 minutes or less when used as directed, within desired temperature range
- It requires no mixing on site and is ready to use with the addition of clean water.
- Operational speed, reduces required job time
- Good for small jobs
- Convenient & easy to use
- Helps when job site accessibility is an issue
- More projects can be completed in same amount of time with Rapid Set Concrete
- Eliminates use of wheel barrows & mixing tools

Limitations

- Rapid Set Concrete is not designed for use in any structural application.
- Extreme temperatures will impact set time of Rapid Set Concrete. Not recommended for use below 10 degrees Centigrade.
- Do not add additional cement, sand, other aggregates or admixtures to the mix.
- The use of concrete mixers or tools to mix the material should be avoided as this product sets quickly.
- Rapid Set Concrete is not recommended for use with Aluminium posts or poles unless these are primed or sealed according to the post manufacturers' recommendation.

Important: When Rapid Set Concrete is used in playground applications, it is only recommended for use below ground level and when covered with a 'soft fall' material.

Availability

Product available in 20kg bags

**For further information on Rapid Set Concrete please contact Cement Australia Packaged Products:
Tel: 1300 CEMENT (1300 236 368) Fax: 1800 CEMENT (1800 236 368) www.cementaustralia.com.au**

Specification

Rapid Set Concrete will stiffen and provide support in 15-20 minutes. It will slowly gain strength and is expected to achieve maximum strength (approx. 15MPa under laboratory trial conditions) within about 14 days.

Recommended Water Addition Ratio

One 20kg bag Rapid Set Concrete requires approximately 1.6 litres of clean water.

Note: This assumes there is no loss of water into soil or sand.

Things You Might Need

- Rapid Set Concrete
- Long handled shovel
- Clean water
- A watch

Storage, handling & safety

- Care should be taken when lifting bagged products as personal injury may occur. It is suggested that when lifting bagged materials, the load is shared with another person.
- Rapid Set Concrete contains Portland cement which when damp, becomes alkaline and may be harmful to the skin. Avoid breathing the dust and contact with skin and eyes. Suitable protective clothing should be worn at all times when using Rapid Set Concrete, including eye protection and gloves.
- Rapid Set Concrete should be stored in a dry place, off the ground and be protected from ingress of moisture.
- The recommended shelf life of cement products is approximately 6 months from date of manufacture. This is provided the product is stored as recommended above. Once opened, the bag should be used that day.
- For detailed safety information, refer to Cement Australia's Rapid Set Concrete Material Safety Data Sheet (MSDS).

Note: The MSDS is available at www.cementaustralia.com.au

Further Hints & Tips

- Excess water will reduce the ultimate strength performance of this product

Product Disclaimer

Recommendations regarding the use of this product are to be taken as a guide only. If in doubt contact Cement Australia Pty Limited ("Cement Australia") or seek professional advice. To the extent permitted by law, Cement Australia excludes all warranties and conditions implied by statute or otherwise. Cement Australia excludes all liability for loss, damage or injury arising from use of the product (i) otherwise than in accordance with the recommendations or (ii) for purposes other than those for which it is ordinarily acquired. For all other loss, damage or injury arising from the use of this product, Cement Australia's liability is limited, at its discretion, to refunding the cost of the product or resupplying the product or equivalent product.

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