

Quick Set Concrete

PRODUCT DATA SHEET

BORAL
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Boral Cements Blue Circle® Quick Set Concrete is a proportioned blend of dry aggregate, graded sands, cement and set accelerating additives to give a concrete mix suitable for all general concreting applications where fast setting characteristics are required.

The product must be mixed like normal concrete to allow complete mixing of the ingredients and yield a fast setting, good strength mix.

Quick Set Concrete attains initial setting in no more than 15 minutes under normal conditions and should be placed immediately upon mixing. Leave at least 2 hours after setting before applying any load.

FEATURES AND BENEFITS

- User friendly, just add water and mix.
- Can be mixed placed and finished like normal concrete.
Be aware of much faster setting time than normal concrete.
- Little downtime and good compressive strength at an early age.

TYPICAL APPLICATIONS

Water use is critical. Warmer water will accelerate the setting time, whilst colder water can be used to slow down the setting (suitable for hotter months).

Ideal product for setting logs, clothes hoists, letterboxes, park benches, fencing posts.

Also repairs to concrete pathways etc where downtime is minimal.

CAUTION: Not recommended for use with aluminium substrates as corrosion can occur. Please consult aluminium manufacturer prior to such use.

PREPARATION

If using formwork, lightly oil the insides of the boards before mixing and laying concrete. Lower the formwork on one side to allow a slight fall for water run off when doing pathways and slabs.

NOTE: Large slabs will be difficult to undertake due to the fast setting nature of the product. Ideal for smaller slab constructions only.

MIXING

Be completely aware of how fast Quick Set Concrete sets before mixing. Use either a wheel barrow or mechanical mixer. Add about 75% of the water to the mixing vessel and slowly add the contents of the bag. Add the remaining water and mix promptly to achieve a workable mix. As a guide use around 2 litres of water per 20kg bag. Pour immediately after mixing, as concrete will start to stiffen rapidly. **DO NOT OVER WATER.**

CAUTION ON HOT WEATHER

It is advisable to delay concreting until weather cools down below 32 degrees. High temperatures can dramatically affect the setting properties of **Quick Set Concrete**. Use cold water to help control the setting time and ensure mix does not set prior to placing and finishing.



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CURING

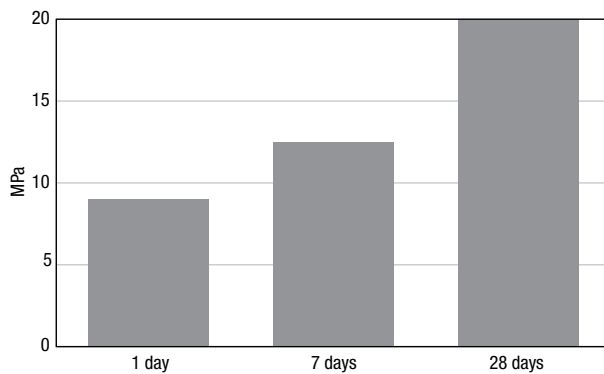
Moist cure using light water spraying for seven days to achieve maximum strength.

YIELD

One 20kg bag will cover an area of 1.1m² to a depth of approximately 10mm. Or 108 x 20kg bags equates to one cubic metre of mixed concrete.

TYPICAL PRODUCT PERFORMANCE

Compressive Strength (MPa):



AVAILABILITY

Quick Set Concrete comes in 20kg plastic lined, multi-walled paper sacks.

CLEANUP & STORAGE

Clean all tools and equipment with water promptly after use. Contact with air and moisture will cause hydration of cementitious products. Store in a cool dry place and seal any unused material. It is recommended to dispose of any cement based products over 12 months old.

SAFE HANDLING

This product contains cement chemicals and trace amounts of Hexavalent Chromium. Avoid generating dust. Use personal protection equipment against exposure and alkali burns. Wash product off unprotected skin immediately with water. The use of goggles, dust masks, barrier creams and rubber gloves is recommended.

Manual handling of bagged products without proper training may result in personal injury. Wherever possible you should use mechanical aids or share the load with another person.

For further safety information consult the **Material Safety Data Sheet** for the product.

The information in this Data Sheet and any advice given should be viewed as a guide only. Boral makes no guarantee of the accuracy or completeness of the information and recommends you conduct your own testing to determine suitability for your specific purpose.

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