



HIGH STRENGTH HANDICRETE®

HEAVY DUTY CONCRETE



AVAILABLE SIZE:
25KG

YIELD



Size of Site
1.0m x 300mm x 40mm

Volume
0.012m³*

*Approximate
yield per bag

Dricon® High Strength Handicrete® is ideal for all types of general purpose concrete work requiring higher compressive strength. It consists of a uniformly blended mixture of graded sands, aggregates and Portland cement designed to achieve the concrete's workability and performance. Dricon® High Strength Handicrete® is grey in appearance but can be coloured using selected Dricon® Oxitone® Oxides. It can also be further enhanced by using Dricon® Concrete Treatment and Dricon® Moisture Repellent Sealer.

COMPRESSIVE STRENGTH

40MPa after 28 days.

WATER CONTENT

2.4 to 3.3 litres per bag

MIXING

In a wheelbarrow or concrete mixer add water followed by contents of High Strength HandiCrete® bag. Mix thoroughly until a workable mix is achieved; generally 3-5 minutes is sufficient. Your ideal High Strength HandiCrete® mix should be the consistency of porridge.

POURING

Pour into area and work the concrete sufficiently to ensure it reaches all corners and you remove all air bubbles.

This can be done with a shovel or spade and by tapping the boxing with a hammer.

LEVELLING OFF

Level off with a straight edge and then finish smooth with a trowel or flat piece of wood.

FINISHING

Final trowelling should be left until the concrete has had an hour or more to partly set and there is no free water on the surface. A non-skid finish can be obtained by sweeping the surface with a soft broom.

PROTECTION

For the first seven days freshly poured concrete should be protected from both

sun & frost and be kept moist.

A minimum strength of 20MPa will be achieved in 28 days. Boxing can be removed after 7 days.

SUITABLE PROJECTS

- Concrete jobs with a minimum of 40mm thickness
- Slabs and patios
- Jobs requiring a high early strength
- Foundations and footings
- Footpaths
- Kerbs
- Driveways
- Heavy traffic areas
- Landscaping, especially heavy-duty work

CONCRETING TIPS

PLAN YOUR PROJECT ON PAPER

Prepare the site with string lines and pegs to ensure straight edges. Excavate the site, ensure the foundation is firm to avoid the concrete cracking. Compact with gravel if necessary.

BOXING

Boxing is used to contain the concrete and give a clean edge. The boxing should be at least 20mm thick. Drive pegs into the ground at 600-900mm intervals and nail the boxing to them. Use thin strips of timber at intervals to act as crack inducers or cut joints later with a masonry saw. The joints should be spaced at intervals 2-3 times the width of the slab. Curves can be formed using 10mm thick timber with pegs at 400-500mm intervals.

DAMPEN

Using a hose, dampen area to be concreted with water.



DANGER

- Causes skin irritation
- May cause respiratory irritation
- Causes serious eye damage
- If medical advice is needed, have product container or packaging at hand

PREVENTION

- Only use outdoors or in a well-ventilated area
- Avoid breathing dust
- Wear protective clothing – safety goggles and a P2 dust mask must be worn
- Contaminated clothing should not be allowed out of the workplace

RESPONSE

IF ON SKIN: Wash with plenty of soap and water. Take off contaminated cloth and wash before reuse. If skin irritation or rash occurs, get medical advice/attention.

IF INHALED: Move to fresh air and keep resting in a position comfortable for breathing.

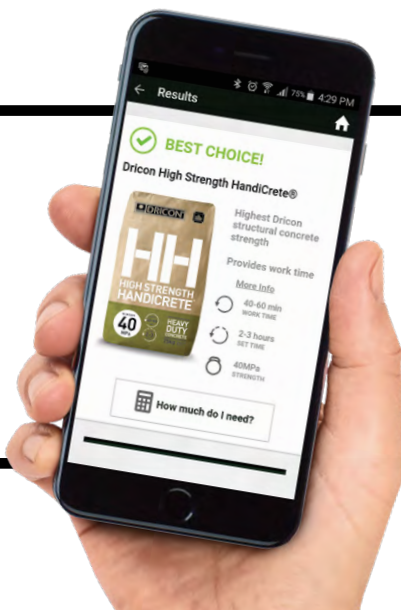
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if worn and easy to do. Continue to rinse.

Immediately call the NATIONAL POISON CENTRE 0800 764 766 or doctor/physician.

GENERAL INFORMATION

If only part of the bag is required, mix the entire contents of the bag together first in a dry state, return the unwanted portion to the bag or alternatively a dry sealed container, then follow the instructions.

All mortars and concrete products may exhibit a temporary 'whitening', otherwise known as efflorescence which neither affects strength nor durability.



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