



HIGH STRENGTH HANDICRETE®

HEAVY DUTY CONCRETE



AVAILABLE SIZE:
25KG

YIELD



Bag Size:
25kg

Volume
0.010m³*

*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 EcoSure Low Carbon 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.

COMPRESSIVE STRENGTH

40MPa after 28 days.

WATER CONTENT

2.8 to 3.6 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 spad 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.

DRYING AND CURING

For the first seven days freshly poured concrete should be protected from both sun & frost and be kept moist. A minimum strength of 40MPa will be achieved in 28 days. Avoid vehicle and foot traffic for at least 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. Curves can be formed using 10mm thick timber with pegs at 400-500mm intervals.

DIMENSIONS

Get accurate dimensions, especially depth. Depth will vary depending on uses. For vehicle usage, aim for at least 150mm deep and 100mm for foot traffic.

DAMPEN

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

PRODUCT INFORMATION

PACKAGING	Paper bag
SIZE	25kg
SHELF LIFE	12 Months from date of production
STORAGE	Keep in dry location free of moisture
COLOUR	Grey
GRAIN SIZE	Up to 12mm
WATER DEMAND PER KG	0.11 to 0.14 litres
WET DENSITY	Approximately 2350 kg/m ³
WORK TIME	40-60 minutes
INITIAL SET TIME	2-3 hours
APPLICATION THICKNESS	No less than 40mm
APPLICATION TEMPERATURE	5 to 30 °C
COMPRESSIVE STRENGTH 7 DAY	> 22 MPa
COMPRESSIVE STRENGTH 28 DAY	> 40 MPa
SAFETY INFORMATION	Refer to the Safety Data Sheet on our website

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.