



CIVILCRETE®

COMMERCIAL CONCRETE



AVAILABLE SIZE:
25KG

YIELD



BAG SIZE
25kg



VOLUME
0.010m³*

* Approximate yield per bag

Dricon® CivilCrete® is a fast setting premixable early strength concrete. It consists of a uniformly blended mixture of graded sands, Aggregate, EcoSure Low Carbon Cement, and specialised admixtures. Mixes like HandiCrete® with the same workability and super smooth finish, however has a 15 minute work time and 45 minute set time, making it perfectly tuned for applications requiring speed.

Dricon® CivilCrete® 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

30MPa after 28 days.

WATER CONTENT

25kg - 2.6 to 3.4 litres per bag

MIXING

In a wheelbarrow or concrete mixer, add water followed by contents of CivilCrete® bag. Mix thoroughly until a workable concrete is achieved; generally 3-4 minutes is sufficient. Your ideal CivilCrete® 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. As CivilCrete® sets faster than normal concretes, care must be taken to ensure it has been worked in to all areas in approx. 3-4 minutes.

LEVELING OFF/FINISHING

Level off with a straight edge and then immediately finish smooth with a trowel or flat piece of wood. This needs to be done quickly as the total working time from the point of mixing is approx. 15 minutes at 21°C, however warmer outside temperatures (summer) means a faster set time and colder temperatures (winter) means a slower set time.

DRYING AND CURING

For the first 3 days freshly poured concrete should be protected from both sun & frost and be kept moist. Boxing can be removed after 3 days, after which time the concrete will be able to take light vehicle traffic if required. A minimum strength of 20MPa will be achieved in 3 days and a minimum 30MPa will be achieved in 28 days.

SUITABLE PROJECTS

- Foundations
- Heavy Duty Paths
- Bollards
- Road and Kerb Repairs
- Remote Location Sites
- Sump, Manhole Bases and Connections
- Manhole Adjustment Rings

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	0.10 to 0.14 litres
WET DENSITY	Approximately 2350 kg/m ³
WORK TIME	15 minutes
INITIAL SET TIME	45 minutes
APPLICATION THICKNESS	No less than 40mm
APPLICATION TEMPERATURE	5 to 30°C
COMPRESSIVE STRENGTH 3 DAY	> 20 MPa
COMPRESSIVE STRENGTH 7 DAY	> 22 MPa
COMPRESSIVE STRENGTH 28 DAY	> 30 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.