



# CONSTRUCTION GROUT

GENERAL PURPOSE, HIGH STRENGTH,  
SHRINKAGE COMPENSATED, FLOWABLE GROUT

WORK TIME:  
**40-60**  
MINS\*

SET TIME  
**1-2**  
HRS\*

IN 28 DAYS\*  
**65**  
MPa

AVAILABLE SIZE:  
**25KG**

**YIELD**



**25kg bag**

**13litres = 0.013m<sup>3</sup>**

Dricon® Construction Grout is a flowable general purpose, non-shrink, cementitious grout, free from chlorides or other substances which could aggravate steel corrosion. The graded fillers and EcoSure Low Carbon Cement, are designed to aid uniform mixing while minimising segregation and bleed.

Just add clean water to produce a free-flowing grout. It can also be applied as a trowelable or semi-dry packing material.

## FEATURES AND BENEFITS

- Expansion system compensates drying shrinkage in plastic and hardened states
- Can be dry packed, rammed, troweled, poured and pumped
- High early strength with durability
- Ready to use, premixed, and requires only addition of water

## COMPRESSIVE STRENGTH.

	TROWELABLE	FLOWABLE
Water per 25kg	3.5l	4.0l
1 day	>25MPa	>20MPa
7 days	>55MPa	>45MPa
28 days	>65MPa	>55MPa

## PREPARATION

Ensure surface is clean, sound and free from oil, grease, curing compounds or any loose materials. Allow for a minimum thickness of 5mm of prepared grout. Use Dricon® CG in details where the material can be confined during positive expansion in the plastic state. It is essential to pre-soak the concrete substrate during preparation, but any excess water should be removed prior to application of Dricon® CG.

## MIXING

Water ratio depends on the natural variation of materials. Do not add more water than specified to make mixing easier. This will increase work time, set time and reduce strength.

Add clean water to a suitable mixing vessel. Use a forced action pan type mixer or a clean bucket with a low speed power drill and stirrer. Add the Dricon® CG powder to the water while stirring.

Grout is ready to use after 2-3 minutes mixing and once a smooth, lump free consistency is achieved.

**\*Work times, set times and strength are based on Trowelable state.**

## APPLICATION

It is essential that the ambient temperature should be above 5°C and that the grout is placed within 40-60 minutes of mixing. Dricon® CG can be placed in thickness ranging from 5mm to 80mm in one single application. Do not use mechanical vibrators to assist in flow as this will cause segregation of materials.

## CURING

On completion of grouting, the exposed area should be covered with wet hessian or plastic sheeting to prevent excessive moisture loss.

## GENERAL GROUTING TIPS

### PLAN YOUR PROJECT

Grouts have a limited life so it is important that the work area is prepared, with the method of application agreed. For best results plan grouting when temperatures are mild (15-25°C). Pour from one side to minimise trapped air.

### CONFINEMENT

Dricon® Construction Grout is designed to have expansive qualities (compensate for shrinkage). To gain the benefits from this characteristic requires the grout to be used in a confined location.

### FLOWABILITY

As the amount of water added is increased the grout becomes more flowable but at the expense of strength and increased potential for segregation. Do not use more water than specified on this data sheet for the flowable state.

### MIXING

Is important with grouts, use the recommendation on this data sheet, do not mix by hand.

### VIBRATION

Flowable grouts are designed to be self-compacting. Do not vibrate as this may cause segregation.

## PRODUCT INFORMATION

<b>PACKAGING</b>	Paper bag
<b>SIZE</b>	25kg
<b>SHELF LIFE</b>	12 months from date of production
<b>STORAGE</b>	Keep in dry location free of moisture
<b>COLOUR</b>	Grey
<b>GRAIN SIZE</b>	Up to 1.2mm
<b>WATER DEMAND PER KG</b>	0.14 to 0.16 litres depending on workability required
<b>WET DENSITY</b>	Approximately 2200kg/m <sup>3</sup>
<b>WORK TIME</b>	40-60 minutes
<b>INITIAL SET TIME</b>	1-2 hours
<b>APPLICATION THICKNESS</b>	5-80mm
<b>APPLICATION TEMPERATURE</b>	5 to 30°C
<b>COMPRESSIVE STRENGTH 1 DAY</b>	Trowelable >25MPa Flowable >20MPa
<b>COMPRESSIVE STRENGTH 7 DAY</b>	Trowelable >55MPa Flowable >50MPa
<b>COMPRESSIVE STRENGTH 28 DAY</b>	Trowelable >65MPa Flowable >60MPa
<b>SAFETY INFORMATION</b>	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.