

## M203 JAYCOGROUT 800N High Strength Non-Shrink, Fluid Grout

### Description

JAYCOGROUT 800N is a pre-mixed, ready-to-use, dry grout. It is manufactured using specially graded silica-based aggregates as well as shrinkage compensating chemicals and Portland cements to produce a fluid, non-shrink grout. M203 is grey in colour, non-oxidising and contains zero added chlorides or nitrates.

M203 meets the requirements of CRD-C621, ASTM C827, ASTM C109-80 and CRD 611-80.

### Typical Applications

M203 is particularly suitable for applications that require a pre-mixed, durable and permanent grout. M203 will, however, offer exceptional performance for any application where a fluid, non-shrink grout is specified.

M203 precision support under load-bearing elements such as machine base plates, sole plates, craned and transporter rails stanchions and column bases, anchor bolts, turbines, pumps, generators, pre-cast units and bridge bearings.

### Advantages

- High early strength (meets ASTM C109-80).
- Non-shrink (meets CRD-C621).
- Good free-flow consistency without segregation or bleeding (meets CRD 611-80).
- Iron free for concrete-like finish.
- High durability as a result of high density and low void content.
- Pre-mixed, eliminating on-site mixing errors.

### Specifications

#### Strength Development

The strength of JAYCOGROUT M203 is dependent on the water demands, curing procedure and age of hardened grout. To determine the earliest that equipment of machinery can be put into operation, the above must be considered. **Protect from freezing until cured for 28 days.**

#### Typical strength at flowable consistency @ 20°C

Age (days)	Compressive (MPa)	Flexural (MPa)	Tensile (MPa)
1	20	2.4	2.0
3	28	3.4	2.2
7	40	4.9	3.5
28	60	7.1	5.6

#### Typical strength at fluid consistency @ 20°C

Age (days)	Compressive (MPa)	Flexural (MPa)	Tensile (MPa)
1	15	1.8	1
3	22	2.6	2
7	36	4.3	3.8
28	55	6.6	5.2

The data is based on controlled laboratory tests as per our quality assurance procedures. Variations can be expected under prevailing site conditions.

### Typical properties

Initial set	± 2 hours @ 20 °C	Flash point	N/A
Final set	± 4 hours @ 20 °C	Operating temperature	5- 200 °C
Flow	Fluid-meets CRD-C611-80	Storage life	Up to 1 year
Shrinkage	Non-shrink (meets CRD-C21)	Packaging	25 kg lined bags

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## Directions for use

All equipment to be grouted must be free of grease, oil and dirt. The concrete surface should be scraped, cleaned and saturated for at least 24 hours prior to grouting. Mix only enough grout that can be used within 30 minutes. Do not re-temper by adding water.

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## Yield

One 25 kg bag of Jaycogrout M203 will yield  $\pm$  13 litres of grout when mixed with 4 – 4.3 litres of water. Optimum water demands can be verified on site as environmental and placing conditions influence water requirements.

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## Packaging:

Supplied in 25kg double lined moisture resistant bags

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The information contained in this technical data sheet is to the best of our knowledge correct. NO GUARANTEE IS EXPRESSED OR IMPLIED. Users must satisfy themselves as to the efficacy of the product in their application.