

Product Description

Cem Grout MC 2001 is a special designed for use where high tolerance, high strength and high fluidity are required. It is formulated to provide consistent and exacting performance in critical grouting operation. **Cem Grout MC 2001** is quality-controlled and supplied ready for use on site.

Areas Of Application

Cem Grout MC 2001 is suitable for bridges, columns, marine structures dams and structural repairs. It can also be applied by gravity pour or mechanical pumping. **Cem Grout MC 2001** can also be applied where single placing is in excess of 20mm.

Product Features

Cem Grout MC 2001 is a blend of cement, silica fumes, graded aggregates and additives which allow controlled expansion in the plastic state whilst minimizing water demand to combine high early strength and long-term durability. The quantity of water required to achieve the desired consistency is precise. Typical water content at 30°C is as follows:

Flowable : 3.8 to 4.2 litres of water/ 25kg bag

- Good flow characteristics to allow ease of application.
- Suitable for large repairs
- High ultimate strength and low permeability
- Reliable factory controlled quality formulations eliminating site batching errors
- Non toxic and Non-corrosive
- Chloride and Iron free
- Positive expansion to ensure effective contact and support
- Good impact and vibration resistant

Technical Data

Material	Compressive		
<u>Consistency</u>	Strength		
	<u>(N/mm²)</u>		
	1	7	28 days
Flowable @	25	55	70
Flexural strength @		7	

Typical results achievable when complying in strict accordance with the test procedure.

Fresh Wet Density

When used at a flowable consistency, the fresh wet density is approximately 2,200 kg/per litre.

Expansion Characteristics

An expansion of 0.4% when measured to ASTM C827 for flowable consistency
Refer to APPLICATION GUIDE for detailed information. On completion of the grouting.

Bleeding

No bleed is observed in the flowable state at 3 hours when measured to ASTM C940-81.

Refer to APPLICATION GUIDE for detailed information. On completion of the grouting operation, exposed areas should be cured by using CURING COMPOUNDS.

When used at a flowable consistency, the fresh wet density is approximately 2,200 kg/per litre.

The shelf life for **Cem Grout MC 2001** in unopened and undamaged packaging is 12 months. Where possible, store the product in dry conditions and cool conditions.

The yield of **Cem Grout MC 2001** depends on the required consistency. The approximate yield per 25kg at each consistency is as follow:

Yield / (Litres) Consistency Flowable 12.75

Allowance should be made for wastage when estimating.

Cem Grout MC 2001 is non-flammable. **Cem Grout MC 2001** contains cement powders which if damp or mixed with water, will release alkali which can be harmful to the skin. In case of contact with skin, wash off with a lot of water. Avoid inhalation of dust. In case of contact with eyes, rinse immediately with plenty of water and seek medical attention. When using **Cem Grout MC 2001**, wear suitable gloves and eye protection.



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