



High-quality, anti-mold tile grout for joint width up to 6 mm.

**Description**

GROUT CG1 is a high-quality cementitious tile grout that is used for grouting all types of tiles. GROUT CG1 is suitable for joints width of 0 – 6 mm.

Grout CG1 provides a smooth finish with excellent color stability and mold resistance when used in wet areas such as toilets and kitchens in a vertical or horizontal application.

Grout CG1 is available in 33 standard colors.

**Uses**

- Wet areas such as toilets, and kitchens.
- Commercial and public utility buildings.

**Characteristics / Advantages**

- Frost resistant.
- Anti-mold.
- Color stable.
- Fast return to service.
- High adhesion.
- Available in a wide range of colors.

**Standard Compliance**

- BS EN 13888:2009 - CG1.

**Typical Properties**

The following values obtained when tested in accordance with BS EN 13888:2009:

Appearance	Fine powder
Mixed Density	1.65±0.1 kg/ltr
Operating time	1-1.5 Hours
Abrasion resistance (EN13888)	≤ 2000 mm <sup>3</sup>
Compressive strength @ 28 days (EN13888)	≥ 15 MPa
Flexural strength @ 28 days (EN13888)	≥ 2.5 MPa
Shrinkage (EN13888)	≤ 3 mm/m
Water absorption (EN13888)	After 30min ≤ 5g After 240min ≤ 10g
Commissioning Time	24 hours for vertical areas 36-48 hours for horizontal areas
Time of finishing	15-30 minutes
Full curing time	7 days
Service Temperature	-30 to +70 °C

**Application Instructions**

**Surface preparation**

The tile edges and joints should clean from dust, oils, dirt, etc. do not start the grouting unless the tile adhesive is sufficiently set. For tiles that are sensitive to color change, a reference sample should be made to ensure suitability.



**MICSHIELD™**



**GROUT CG1**

### **Mixing**

Pour into a suitable container 6 liters of clean water for each 20 kg **GROUT CG1** bag (or 1.5 liters for 5 kg bag or 0.6 liters for 2 kg bag). Add the powder to the water and mix using a low-speed mixing drill fitted with a suitable mixing paddle. Continue mixing for 2-3 minutes until achieving a lumps-free mix. Allow the mixed material to stand for 1-2 minutes, then re-stir slightly with no extra water to be added to the mix.

### **Application**

Apply the mixed material to joint gaps using a rubber base pointing trowel or a hard rubber-ended mop. This process should be performed by first parallel, then traverse application.

After 15-30 minutes, a fine mortar layer on the surface is cleaned using a damp sponge or cloth. After application, tiles are ready to walk on after 24 hours. Applied grout should not be cleaned by any cleaning agents within 5 days of application. Only clean water is allowed.

### **Cleaning**

Tools should be cleaned immediately with clean water. Hardened material should be removed mechanically.

### **Consumption**

Grout consumption depends on the dimensions of the tiles and joint width. Please refer to Appendix A for consumption details.

### **Packaging**

**GROUT CG1** is available in 2, 5, 10 and 20 kg packaging.

**This product is environmentally friendly**

### **Storage**

**GROUT CG1** has a shelf life of 12 months when stored in its original unopened packing in dry conditions. Shelf life may reduce if the recommended storage conditions changed.

### **Safety Instructions**

Like any cementitious tile adhesive, **GROUT CG1** contains hydraulic cement and may cause irritation to skin or eyes. For further information Refer to the Material Safety Data Sheet.

### **Disclaimer**

Manaseer Industrial Complex has the right to amend its datasheets anytime. Please make sure to have the latest published datasheet version.



Appendix A:

Tile Dimensions (mm)			Material Consumption Rate Of Grout CG1 According To Joint Width (kg/m <sup>2</sup> )					
Length	Width	Thickness	Joint Width (mm)					
			1	2	3	4	5	6
20	20	3	0.5	1	1.5	2	2.5	3
50	50	6	0.4	0.8	1.2	1.6	2	2.4
100	100	6	0.2	0.4	0.6	0.8	1	1.2
150	150	6	0.1	0.3	0.4	0.5	0.7	0.8
200	200	7	0.1	0.2	0.3	0.5	0.6	0.7
200	300	7	0.1	0.2	0.3	0.4	0.5	0.6
300	300	8	0.1	0.2	0.3	0.4	0.4	0.5
400	400	10	0.1	0.2	0.2	0.3	0.4	0.5
450	450	10	0.1	0.1	0.2	0.3	0.4	0.4
500	500	10	0.1	0.1	0.2	0.3	0.3	0.4
600	600	10	0.1	0.1	0.2	0.2	0.3	0.3

Note: This coverage is theoretical and may vary due to site wastage and actual joint depth/width.

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