

MASOFILL



Masofill

Polymer modified grout for wall and floor tile/stone joints

DESCRIPTION

A high quality polymer-modified, water resistant, cement based grout designed for grouting glazed wall tiles, porcelain tiles, mosaic, vitrified & fully vitrified tiles, natural and engineered stones.

AREAS OF APPLICATION

Walls & Floors	✓
Interior & Exterior	✓
Dry Areas	✓
Showers	✓ (1), (3)
Swimming Pools	✓ (2), (3)
Heavily Trafficked Floors	✓ (3)
Movement / vibration	✓ (3)

Note

✓ = Suitable

(1) Do not use showers for at least 2 weeks following completion of grouting. Not recommended for use in power showers, use EPOXY GROUT.

(2) Do not fill pool at least 3 weeks following completion of grouting.

FEATURES

- Good bond strength
- Water resistant
- For interior & exterior use
- Suitable for joint width of 1- 6 mm

COLOURS

Available in range of colours.

PHYSICAL PROPERTIES @ 27 ± 1°C

Property	Value
Joint Width	1- 6mm
Pot Life	30 minutes
Curing Time	24 hours
Temperature Resistance	-30°C to 150°C
Mixing Ratio	Water : Grout 1 : 3
Compressive Strength	
24 hours	min. 4.00 kN
48 hours	min. 8.00 kN
VOC Content	5.15 g/L

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COVERAGE ESTIMATES

Pack size **Coverage**
500 g, 1 kg & Consumption depend on joint width,
10 kg size of tiles

Theoretical coverage calculation:

$$\frac{(\text{Tile length} + \text{Tile breadth}) \times \text{Tile thickness} \times \text{Joint width} \times \text{Wet density}^*}{(\text{Tile length} + \text{Joint width}) \times (\text{Tile breadth} + \text{Joint width})} = \text{kg/m}^2$$

NOTE:

* Wet density = 1.80

All the dimensions are in mm

Tile size in mm (L x B x T)	Joint sizes				
	2 mm	3 mm	4 mm	5 mm	6 mm
200 X 300 X 6	5.56	3.85	2.86	2.33	2.13
300 X 300 X 8	5.26	3.57	2.70	2.17	1.82
300 X 600 X 10	5.56	3.70	2.86	2.27	1.92
450 X 450 X 10	6.25	4.17	3.23	2.56	2.13
600 X 600 X 10	8.33	5.56	4.17	3.33	2.86
800 X 800 X 10	11.11	7.69	5.56	4.55	3.70
1000 X 1000 X 10	14.29	9.09	7.14	5.56	4.76

APPLICATION INSTRUCTIONS

Surface Considerations

- Before commencing grouting the adhesive bed must be set. Clean the joints of all adhesive and other containments such as efflorescence, laitance, dirt and other loose material using a grout raker.
- All joints should be made wet with clean water.
- Ensure the joints are dry before grouting

Movement Joints: These should be provided in accordance with BS 5385 : part 1 - 5 and may be filled with the appropriate flexible sealant. Intermediate floor joints should be reinforced with brass or stainless steel. Use stainless steel where hygiene is essential.

Mixing

Take pre-measured water in a clean mixing vessel. Add MASOFILL in the vessel and mix until a lump free smooth paste of uniform colour is obtained. If an electric drill mixer is used blend on a slow speed (less than 300rpm). Avoid entraining air by mixing at too high speed or by over mixing. Do not reconstitute the mixed grout by adding more water as this will reduce the final strength.

Application

- Using a grout float or rubber squeegee compact the mixed grout into the joints ensuring that they are completely filled. Work in small areas and remove as much excess grout from the tile surface as possible. Do not exceed the working time of the grout.



Building Adhesives and Grouts

MASOFILL



- Allow about 15 minutes for the grout to dry. Using a damp sponge, clean the tile/stone surface diagonally to the joint lines.
- Finally wash down with clean water and sponge to remove any dried grout film from the tile/stone surface.
- Once the grout has sufficiently set within the joints, polish the tile/stone surface with a clean cloth. Alternatively give a final wash down with clean water using a dampened sponge.

Note:

- A. Care should be taken to avoid staining tile/stone during grouting. This is especially applicable when grouting unglazed floor tiles/stone, quarry textured surface, etc. Check the potential risk of staining by applying the grout to a few tile/stone in a small trial area.
- B. If certain dark shades are used, initially grout colour may bleach, but after 2- 3 times of water wash the colour bleaching will stop.
- C. Where chemical resistance, hygienic and sterile is important use EPOXY GROUT.

CLEANING

Tools and containers may be cleaned using clean water when the adhesive is still fresh. The hardened adhesive can be removed from tools mechanically.

STORAGE AND SHELF LIFE

MASOFILL has a shelf life of 12 months when stored in normal dry conditions.

PRECAUTIONS

Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice.

For more details please refer the relevant Material Safety Data Sheet

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.