



# Grout 50

Single Component Tile Joint Filler

Pack Size  
1Kgs

## TDS Technical Data Sheet



### Description

Grout 50 is 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
- Swimming Pools
- Heavily Trafficked Floors
- Movement/Vibration Areas

### Note

- Suitable for use in showers but not recommended for power showers; use Epoxy Grout in such cases.
- Ensure the pool is not filled for at least 3 weeks following grouting.

### Features

- Good bond strength
- Water-resistant
- Suitable for both interior and exterior use
- Ideal for joint widths of 1 - 6 mm
- Available in a range of colors

### Technical Details

Joint Width:	1-6 mm
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
Compressive Strength (48 hours)	: min. 8.00 kN
VOC Content:	5.15 g/L

## Coverage Estimates

- Pack Size: 500 g, 1 kg, & 10 kg
- Coverage: Depends on joint width and size of tiles

## Theoretical Coverage Calculation

(Tile length + Tile breadth) x Tile thickness x Joint width x Wet density / (Tile length + Joint width) x (Tile breadth + Joint width) = kg/m<sup>2</sup>

## Coverage Per Kg (in sq. m) Based on Tile Size and Joint Width

Tile Size (mm)	2mm	3mm	4mm	5mm	6mm
200 x 300 x 6	5.56	3.85	2.86	2.33	2.13
300 x 300 x 8	5.26	3.57	2.7	2.17	1.82
300 x 600 x 10	5.26	3.7	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	3.7
1000 x 1000 x 10	14.29	9.09	7.14	5.56	4.76

## Application Instructions

Surface Considerations Before commencing grouting, ensure that the adhesive bed has set. Clean the joints of all adhesive and other contaminants such as efflorescence, laitance, dirt, and other loose material using a grout raker. All joints should be wet with clean water, but ensure they are dry before grouting.

## Movement Joints

These should be provided according to BS 5385: Part 1-5 and may be filled with an appropriate flexible sealant. Intermediate floor joints should be reinforced with brass or stainless steel, with stainless steel being used where hygiene is essential.

## Mixing

Take pre-measured water in a clean mixing vessel. Add Grout 50 to the vessel and mix until a lump-free smooth paste of uniform color is obtained. If using an electric drill mixer, blend at a slow speed (less than 300 rpm) to avoid entraining air. 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 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. Allow about 15 minutes for the grout to dry, then clean the tile/stone surface diagonally to the joint lines with a damp sponge. Finally, wash down with clean water and a 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 or give a final wash down with clean water using a dampened sponge.

## Note

Care should be taken to avoid staining tile/stone during grouting, especially with unglazed floor tiles/stone, quarry tiles, or textured surfaces.

If using certain dark shades, the initial grout color may bleach but should stabilize after 2-3 washes.

For areas requiring chemical resistance, hygiene, and sterility, use Epoxy Grout.

## Cleaning

Tools and containers may be cleaned using clean water while the adhesive is still fresh. Hardened adhesive can be removed mechanically.

## Storage and Shelf

Life Grout 50 has a shelf life of 12 months when stored in normal dry conditions.

## Pack Size

1Kgs



## Data Reliability

All technical data provided in this document are based on laboratory tests. Actual performance may vary due to factors beyond our control.

## Regional Compliance

Product specifications may vary based on local regulations. Please refer to the local Product Data Sheet for precise information.

## Legal Disclaimer

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