

POWER GROUTS



DESCRIPTION

PowerGrace Power Grout is a one component, pre-packed tile grout combining cement with selected pigment and several admixtures. It fills the spaces between tiles, provides stability, and also aesthetic function. When added to water it readily blends to produce a smooth creamy paste which when sets, becomes water, fungus and mould resistant.

USES

For filling the spaces of homogeneous tile, ceramic tile, marble, granite, mosaic, and natural stone, over a range of applications as below:

- Floor and wall
- Interior and exterior
- Dry and wet area* (before application make sure of SSD)

BENEFITS

- Cost effective service life, fungus and mould resistant
- Easy to apply by adding water for a thixotropic, non-slump gout
- Ideal for use in submerged condition
- Available in range of attractive colours

COVERAGE ESTIMATES

Pack size Coverage
500 g, 1 kg - Consumption depend on joint width,
20 kg- size of tiles Surface

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 = 1.80g/cc
All dimensions are in mm



PHYSICAL PROPERTIES

Cement polymer grout @ 27±2°C, Meets the requirements of ANSI 118.6 (Specification for tile grouts)

Joint Width	1-6mm
Pot Life	30 minutes
Curing Time	24 hours
Mixing Ratio	Water : Grout 1:3(depends upon shades, and site conditions)
Compressive strength	
24hours	Min. 4kN
48hours	Min. 8Kn

APPLICATION INSTRUCTION

- ◆ Before commencing grouting the adhesive bed must be set. Clean the joints of all adhesive and other containments such as efflorescence, latence, 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

MIXING

- ◆ For dry area : pour 300-400ml of water into mixing vessel then add Power Grout slowly and mix properly.
- ◆ For wet area : pour 300ml of PG-grout plus into the vessel then add Power Grout slowly and mix properly.
- ◆ Mixing time is ~3 minutes. A slow speed mixer is recommended (300 – 600 rpm).

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.
- ◆ 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

- ◆ Do not use showers for at least 2 weeks following completion of grouting. not recommended for use in power showers, use Epoxy Grout.
- ◆ Use in conjunction with PG-Grout plus (admix). The addition of Grout plus to cement based grouts will enhance adhesion to tile/stone edges, reduce water permeability and imparts flexibility.
- ◆ Do not fill pool at least 3 weeks following completion of grouting.

LIMITATIONS

- ◆ Do not mix the fresh material to previous mixed.
- ◆ Do not use saline or salty water.
- ◆ Never use high level acid chemicals to remove hardened grout on tile surfaces

SHELF LIFE

12 months from date of production if stored properly in original, un-opened and undamaged sealed packaging

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data and uses.

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