

MITCHTILE GROUT

Cementitious General Purpose Tile Grout

DESCRIPTION

MITCHTILE GROUT is a blend of specially selected cements, fillers and synthetic organic polymers. When added to water it readily blends to produce a smooth creamy paste which under completely cured conditions is resistant to water and fungal growth. **MITCHTILE GROUT** is used in conjunction with **MITCHTILE BOND** adhesives. Suitable for vertical and horizontal applications in interior and exterior locations. Suitable for 2 mm to 8 mm joint sizes.

USES

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

- Bathrooms
- Shower stalls
- Swimming pools
- Wet areas
- Interior and exterior floors and walls
- Existing tiled surfaces
- Suspended floor surfaces
- Industrial processing areas
- Balconies
- Railway stations

BENEFITS AND FEATURES

- Available in variety of colors.
- Single component just add water on site.
- Ideal for use in most areas where drink and foodstuffs are processed.
- Very good bond adhesion to mostly used substrates.
- Easy to clean and hygienic in service.
- Consistent quality
- Suitable for areas that will be dry or intermittently wet
- Suitable for joint widths up to 8mm
- Can be used in conjunction with under-tile heating
- Limited flexibility to accommodate some movement
- Can be used in conjunction with MITCHTILE BOND to improve chemical resistance and impermeability.
- Non-shrink and prevent cracks
- Non-Sag / slump (thixotropic) application

PROPERTIES

Property	Result
Form	Single component
Density	1820 Kg / m ³
Working time	± 60 minutes depending on relative humidity
Initial set	90 minutes
Final set	± 24 hours
Grouting time	± 24 hours after bedding of tiles
Mixing water temperature	8°C to 30°C
Application temperature (ambient)	8°C to 30°C
Substrate temperature	8°C to 30°C
Aging resistance to damp	Good
Joint width	2mm to 8mm
Protection during application	Sun and wind barriers

SURFACE PREPARATION

All joint surfaces should be free from contamination such as oil, laitance, grease, wax, dirt or any other form of foreign matter, which could affect adhesion.

MIXING

In order to mix **MITCHTILE GROUT** use slow speed (300 – 600 rpm) of electric drill and a mixing paddle attachment.

Stir 3.5 volumes grout powder into 1 volume clean water. First add water in mixing vessel and later on add powder little by little. Mix to a lump free slurry and allow to thicken for 5 minutes. Re-mix without adding water and use within one hour.

APPLICATION

The grouting can be started with the application of the bedding mortar or after the cementitious bedding mortar has fully cured. Apply grout paste to tiled surfaces working it well into the joints using a rubber squeegee or a sponge-faced wood float. Allow grout to dry and harden for one to two hours and wipe surface of tiles with a damp sponge. Finish off by wiping along joint with a damp cloth. Polish tiles the following day using a dry cloth. Consumed the mixed material within pot life.

COVERAGE

For 3 mm wider joints for 150 x 150 x 5mm tiles approximately 0.4Kg / m² would be required.

MITCHTILE GROUT

Cementitious General Purpose Tile Grout

Use the following formulation to calculate the quantity of **MITCHTILE GROUT** required per m² of tiling:

$$\text{Kg / m}^2 = \frac{\{(A + B) \times C \times D \times \text{density}\}}{(A \times B)}$$

A = length of tile
B = width of tile
C = thickness of tile
D = average joint width

NOTE: A 10% wastage factor should be factored in when determining the final quantities.

SHELF LIFE

12 months from the date of production.
Store under cover, out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment.

CLEANING OF TOOLS

Immediately after application is completed clean all tools and equipment with clean water. Hardened material can only be removed by mechanical means.

PACKAGING

Available in 20 kg pack.

PRECAUTIONS

MITCHTILE GROUT should not be used when the temperature is below 5°C and falling. In these cold conditions the use of warm water (up to 30°C) is advisable to accelerate strength development. Normal precautions for winter working with cementitious materials should then be adopted.

At ambient temperatures above 35°C, the material should be stored in the shade and cool water used for mixing.

MITCHTILE GROUT can be applied to damp but not wet surfaces.

Do not proceed with application when rainfall is imminent unless in a sheltered or protected location.

The product should not be exposed to moving water during application & curing period.

Certain types of tiles, particularly natural stones are porous in nature and therefore may discolour after grouting; compatibility of grouting materials with the tiles should always be confirmed with a trial area.

Do not mix the fresh material to previous mixed.

Never add water or fresh grout and/or powder to a grout mix which has already begun to set.

Do not use saline or salty water.

Slight deviations in color of **MITCHTILE GROUT** grouts are possible, it is therefore recommended to only use grouts with the same batch number for the same project.

A grout film and/or pigment stains especially with very dark colours may remain on unglazed or matt glazed tiles after grouting. Follow the tile manufacturer's recommendations.

Never use high level acid chemicals to remove hardened grout on tile surfaces.

Joint have to be adequately pre-wet if acid-washing is necessary.

Exposure to acid-containing, cement-attacking cleaning agents can cause damage to hardened grout.

Seal joints between tile surfaces, fitted elements and pipe penetrations as well as corner and connection joints with the elastic sealant MITCHFLEXO PU.

Grouting in commercially used areas and swimming pools, subjected to increased mechanical and chemical stress should be carried out with **MITCHTILE GROUT EP**.

HEALTH & SAFETY

Wear suitable protective clothing, gloves and eye protection.

Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water at least for 15 minutes and seek medical advice.

MITCHTILE GROUT is non-flammable.

This data sheet is issued as a guide to the use of the product(s) concerned. Whilst Mitchell Construction Chemicals endeavours to ensure that any advice, recommendation, specification or information is accurate and correct, the company cannot - because Mitchell has no direct or continuous control over where and how Mitchell products are applied - accept any liability either directly or indirectly arising from the use of Mitchell products, whether or not in accordance with any advice, specification, recommendation, or information given by the company.