



PRODUCT DATA SHEET (PDS)

Micro Milling Un-Sanded Grout

Manufacturer:

MICRO MILLING LIMITED
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Product Identification:

**Micro Milling Polymer Modified Grout
 (Un-Sanded)**

Product Definition

Micro Milling Polymer Modified Un-Sanded Grout is a factory prepared mixture of Portland cement, calcium carbonate and special additives including a redispersible latex polymer powder to which only water is added.

Features and Benefits

- Exceeds ANSI A118.6 test standards
- For grout joints up to 1/8" (3mm) wide
- For interior and exterior use
- Polymer Modified - Just add water
- For wall, floor or ceiling applications
- Helps repel most stains, dirt and grime with its water beading formula
- Durable enough for residential and/or commercial traffic
- Available in 11 colours
- Is packaged in convenient 5lb. (2.27 kg.) sacks and 25lb. (11.35 kg.) bags

Uses

For grouting of:

- Ceramic tile
- Porcelain tile
- Glass tile
- Marble
- Mosaics

Specifications

**Micro Milling Un-Sanded Tile Grout
 ANSI A118.6**

Test Designation	Test Values (Avg)	ANSI specification
Liquid: Powder Ratio (Parts by Weight)	32: 100	-
Linear Shrinkage 27 day	0.09%	<0.30%
Water Absorption 50% RH to immersion	13.68%	< 18%
Compressive Strength 1 day 28 day	1414 3910	≥ 500 psi ≥ 3000 psi
Tensile Strength 28 day	394	≥ 250 psi
Flexural Strength 28 day	1052	≥ 500 psi

Preparation

The tiled floor and underlying mortar bed should be thoroughly dry before grouting. Allow approximately 48 hours when using modern thin bed methods to install tile. Clean tile surfaces and joints thoroughly and remove all excess water.

Good industry practice also requires removing any excess thin set mortar from the joint spaces so that a minimum of 2/3 of the tile's thickness is available for proper grouting.

Mixing

Use a clean mixing container and a low speed mixer (approx. 300 RPM). Pour clean, cool water into a container and gradually add grout while slowly mixing.

Mix thoroughly to a heavy cream consistency and allow to slake for 5-10 minutes, then remix thoroughly until smooth.

Some stiffening may occur before all material is used (usually within about 1 hour at room temperature). If this occurs simply remix but do not add any water. Use approximately 3.8- 3.9 US Qts. (3.6-3.7 litres) of water for every 25 lbs. (11.35 kgs) of Un-sanded grout.

Application

Using a grout float, work grout into joints. Remove excess grout from surface. Allow grout joints to become slightly firm.

Clean grout joints with a damp sponge.

To help control colour variations, buff the grouted surface with a soft cloth when haze is visible on the

tile surface, usually one to two hours after grouting. This should remove any remaining surface water or grout residue. To prevent efflorescence, discoloration and soft powdery joints, avoid cleaning with excessive water.

Note: Actual shades may vary from colour charts as they depend on job site conditions, installation techniques, cleaning methods, tile characteristics and other factors beyond the manufacturer's control.

Curing

Keep completed areas dry and free from traffic for at least 24 hours after grouting.

Wait for one week after grouting to ensure the grout has cured properly before applying any sort of cleaning agent, otherwise, discoloration may occur. Sealing the grout is recommended but not mandatory. When choosing a sealer, follow the recommendations and instructions of the sealer manufacturer.

Grouting Tips

- Before beginning grout work, first decide whether you want the grout work to blend in with the tiles or contrast from the tiles.
- If you want the grout to blend in with the tile, make sure the colour of your grout is as close as possible to the colour of the tile. If you want the grout to stand out from the tile, select colours that contrast with your tile.
- Even if you decide to blend in your grout, pick a colour that is a shade different from your tile. This can give you a pleasant design instead of just having one colour everywhere.
- When selecting colours, choose colours that complement the tiles surface shade and texture. However, be careful when contrasting colours. If your contrast is too sharp you can end up with a checkerboard look.
- It is a good idea to use dark coloured grout on tiles that are located in heavy traffic areas since these shades hide dirt better

Coverage

The coverage of our grout is determined by the width and depth of the grout joint. Our Coverage Chart is intended to be a guide to assist in estimating how much product is needed for a given tile

installation. These figures are based on filling the joints to their full depth with no wastage.

Note: Access our online grout coverage chart at: [www.micromillingtt.com/Our Products/Tile Grout/Details](http://www.micromillingtt.com/Our%20Products/Tile%20Grout/Details)

Clean Up

While grout is still fresh, wash hands and all tools used with mild soapy water.

Packaging

Micro Milling's Tile Grout is packaged in two sizes - 5lb. (2.27 kg) polyethylene bags and 25 lb. (11.35kg) multiwall paper sacks with a moisture barrier within to ensure a long shelf-life.

Storage

Un-Sanded Tile Grout should be stored on pallets in original, closed packages in a dry and cool place, and should not be exposed to water, direct sunlight and/or damp conditions prior to use
Do not store opened bags.

Shelf Life

Store above ground, in dry and well-ventilated areas for the best life expectancy of up to one (1) year from date of manufacture in unopened containers.

Safety Data

Corrosive. Avoid contact with eyes and skin during mixing and application
Contains free silica. Use personal protective equipment (gloves, boots, goggles and mask) when handling or using this product.

Note: Access our SDS online for more information on the safe and proper use of this product at [www.micromillingtt.com/ Products/ Tile Grout](http://www.micromillingtt.com/Products/Tile%20Grout)

Manufacturers' Caution

This Product Data Sheet has been prepared in good faith based on the information available at the time of publication. It is intended to provide users with information about and guidelines for the proper use and application of our Tile Grout (Un-Sanded) product under normal environmental and working conditions.

Because each project is different Micro Milling Limited cannot be responsible for the consequences of variations in such conditions or for unforeseen factors.