



### SP-100 UNO Single Component Grout



SP100 UNO is professional grade Ready-To-Use grout made of dispersion technology, designed for the grout joints width from 1 to 6mm with long lasting color and stain protection, especially suitable for residential and commercial, interior floors and walls.

#### Features / Benefits

- Single Component
- Non-sag formula for floors and walls
- Easy to install and water cleanable.
- 100% color stability
- Chemical & stain resistant
- Non-cracking or powdering
- Suitable for joints of 1mm to 6mm
- Low VOC

#### Substrates

- Vitrified tile / Porcelain tiles
- Ceramic tile
- Granite
- Glass mosaic tiles
- Polished Marble
- Limestone & Sandstone
- Engineered marble.
- Cobble stone
- Glass tiles
- Terracotta tiles

#### Uses

##### All Internal Floor & Wall Grout Joints:

- Residential & Institutional kitchens
- Cafeterias & Food joints
- Washrooms & Clean rooms
- Hospitals, Operation theatres, Laboratories
- Schools & Education Institutes
- Podium slabs, driveways & Atriums
- Internal Facades

#### Compliance

**EN 13888: 2022**



## Packaging

1 kg and 3kg

## Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored at temperatures greater than 59F (15°C) and less than 95F (35°C).

## Limitations

- Not recommended for Exterior applications.
- Not for industrial use. For industrial applications exposed to high concentrations of food and mineral acids and to high heat, use LATAPOXY 2000 Industrial Grout
- Do not use in areas exposed to continuous high surface temperature (>32° C) & Do not use if temperature forecast to drop down below 10° C.
- Maximum stain resistance is achieved 14 days after installation. Protect from exposure to acids and strong cleaners during this period.
- Certain finishes like soft polished marbles or light-colored natural stones have micro porosities that can cause surface staining and make cleaning difficult. It is advisable to conduct a test area to determine compatibility.
- Soft polished marble and glass mosaic tiles may be scratched by SP100 UNO during application. Conduct a small test area to determine results before grouting.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproof membranes. When a waterproof membrane is required, use MYK LATICRETE HYDROBAN Waterproof Membrane.

## Cautions

Consult SDS for more safety information.

- DO NOT add water or any other liquid to the grout material. This will have an adverse effect on the product and voids all warranties.
- Protect finished work from traffic until fully cured.

- SP100 UNO Grout might irritate eyes and skin. Avoid contact with eyes and/or prolonged contact with skin.
- Wear protective gear (gloves, long sleeve shirt, and safety glasses) when applying. Flush thoroughly with water in case of initial contact.
- DO NOT ingest internally. Silica sand may cause cancer or serious lung problems. See MSDS for more information.
- Keep out of reach of children.
- Protect from freezing.
- Protect grout applied area from dirt, construction debris, and contamination for 3 days @ 70°F (21°C).
- Some soft polished marble or delicate glazed or glass tile might be scratched by SP100 UNO Grout during installation. Apply a small test area to determine results before grouting entire installation.
- Highly porous stones may require pre-sealing with MYK LATICRETE 190 Sealer before application of grout. Wait for 48 hours before grouting after pre-sealing with sealer.
- In steam rooms or submerged applications, allow SP100 UNO grout to cure for 14 days at 70°F (21°C) before use of area and filling with water.
- Resinous grout materials may affect the color of white or porous stones (such as White Carrara, Thasos White, and Royal Danby etc.) Apply a small test area to determine results before grouting entire installation.
- Test stones for compatibility with water cleaning.
- Conduct a test area to determine compatibility with metal or steel tile.
- Wash the entire grout area with clean potable water to remove any traces of acid from previous acid wash before grouting.

Let the grouted area surface become dry waiting for 24 hrs before allowing foot traffic.

## TECHNICAL DATA

### Performance Properties

|                                |                |
|--------------------------------|----------------|
| Specific Gravity               | 1.70           |
| Touch Dry Time                 | 5-10 minutes   |
| Pot Life                       | 30 minutes     |
| Joint Width                    | 1mm to 6mm     |
| Initial Cleaning               | 5 minutes      |
| Final Cleaning                 | 16-24 hours    |
| Light foot traffic             | After 24 hours |
| Full traffic                   | 3 days         |
| Full Cure                      | 14 days        |
| Installation Temperature Range | 10°- 32°C      |

### Time to Traffic\*\*

| CURE TIME         |                                    |                                     |                          |
|-------------------|------------------------------------|-------------------------------------|--------------------------|
| FLOOR TEMPERATURE | TIME TO LIGHT TRAFFIC <sup>^</sup> | TIME TO HEAVY TRAFFIC <sup>^^</sup> | FULL CURE <sup>^^^</sup> |
| 50°F (10°C)       | 72 hours                           | 4-5 days                            | 28 days                  |
| 60°F (16°C)       | 48 hours                           | 4-5 days                            | 14 days                  |
| 70°F (21°C)       | 36-48 hours                        | 3 days                              | 14 days                  |
| 80°F (27°C)       | 24 hours                           | 3 days                              | 14 days                  |
| 90°F (32.2°C)     | 18-24 hours                        | 2 days                              | 7-14 days                |

<sup>^</sup>Light Foot Traffic

<sup>^^</sup>Place Equipment

<sup>^^^</sup>Exposure to Chemical and Heat

Note: Curing depends on the temperature and humidity. If the humidity is low/normal; the curing will be earlier. On high humidity conditions, the curing may take little, longer time than normal.

### Mechanical Properties

#### Applicable Standard: EN 13888:2022

| Property                                      | Test Method          | Typical Results       |
|---|----------------------|-----------------------|
| Abrasion resistance                           | EN 13888-2:2022, 9.4 | < 350 mm <sup>3</sup> |
| Flexural Strength after dry storage           | EN 13888-2:2022, 9.1 | 2.7-3.4 Mpa           |
| Flexural Strength after freeze-thaw cycles    | EN 13888-2:2022, 9.1 | 2.5-3.0 Mpa           |
| Compressive Strength                          | EN 13888-2:2022, 9.1 | 8-12 MPa              |
| Compressive Strength after freeze thaw cycles | EN 13888-2:2022, 9.1 | 7-10 MPa              |
| Shrinkage                                     | EN 13888-2:2022, 9.3 | ≤ 3 mm/m              |
| Water absorption after 30 min                 | EN 13888-2:2022, 9.2 | <1g                   |
| Water absorption after 240 min                | EN 13888-2:2022, 9.2 | <1g                   |

### Stain Resistance:

| Stain Name | Typical results (After 2 hours Contact) |
|------------|---|
| Wine       | 0                                       |
| Turmeric   | 1                                       |
| Ink        | 2                                       |
| Coffee     | 1                                       |
| Ketchup    | 0                                       |
| Coke       | 0                                       |
| Grease     | 0                                       |
| Oil        | 0                                       |

### Rating Scale:

- 0- No stain visible/ no effect,
- 1- very light stain mark.
- 2- Light stain
- 3- intense stain
- 4 or 5- Dense stain visible/ high effect

## Chemical Resistance Chart: (ASTM C 267)

| Chemical Name       | Results Rating |
|---------------------|----------------|
| HCl (10%)           | ***            |
| Con. HCl            |                |
| H2SO4 (10%)         | ***            |
| Con. H2SO4          | *              |
| 2- Butoxy ethanol   | **             |
| Toluene             | *              |
| Sodium hypochlorite | ***            |
| Vinegar             | ***            |
| KOH (50 %)          | ***            |
| Citric Acid 5%      | ***            |

### Scale:

- \* - Poor
- \*\* - Satisfactory/Good
- \*\*\*-Excellent resistant

**Note:** Specifications are subject to change without notification. Results shown are typical but reflects test procedures used. Actual field performance will depend on installation methods and site conditions.

## INSTALLATION

### Surface Preparation

Grouting can begin only after the tile adhesive has completely hardened and dried.

Before starting to grout remove spacers and debris in grout joints and remove dust and dirt using a damp sponge. Allow to dry. Do not leave water standing in joints. Substrate temperature must be between 50°F (10°C) and 90°F (32°C). In case of hot climates, slightly moisten the installed surface but remove excess water before the application of grout.

Do not clean tiles with acid cleaners. In case the tiles are cleaned with acid, make sure to wash the area with potable water which removes the acid remains from the tile joints.

### Mixing:

Open the container and mix with margin trowel or spatula using **HANDS ONLY** to get homogeneous consistency.

\*\*  
Use of drill mixer is strictly **not recommended** as it will inhibit excessive air bubbles into the product and cause pin holes in joints & grout sagging on vertical applications.

DO **NOT MIX WATER, SOLVENTS, LATEX**, or any other liquids for workability.

### Application:

*This product application requires different techniques from cementitious or epoxy grouts.*

For best results, do not grout large area (not more than 12-15 sft) so that the applied grout surface can be cleaned within stipulated time (approx..5-7 minutes).

Work in small areas that can cover in 3-5 minutes and clean-up immediately.

Spread the grout with sharp, firm rubber grout float. Work the grout paste into the joints.

Force the material into joints, ensure the joints are fully packed with material to get flush with tile surface and free from voids and gaps.

Remove excess grout from the face of the tiles with the edge of the grout float. Hold the float at 90° angle and pull it diagonally across the joints and tile to avoid pulling out the material. Ensure the maximum grout haze or excess grout is removed from the surface while the grout is still fresh.

Allow 5minutes to begin initial cleaning the grouted surface.

In case there is some unused grout material in the grout pail, make sure the lid is closed tightly so as to re-use the grout when application work starts in future course of time (within shelf life of product).

### Initial Cleaning:

USE CLEAN WATER FOR INITIAL CLEANING.  
DO NOT USE ANY CLEANER or SOLVENTS.

CLEANING SHOULD BE PERFORMED BY THE SPONGE SCRUBBER (TWO SIDED – one side Sponge and other side nylon scrubber) SUPPLIED ALONG WITH THE KIT.

Cleaning should begin before the surface gets a dry skin- over appearance usually within 5-7 minutes.

(Skinning/drying time will vary depending on temperature, humidity, tile porosity and grout joint depth).

**NOTE:**

**When the ambient temperature are lower than 50°F (10°C) please wait longer for initial cleaning. Based on the temperature, keep checking the surface of applied grout for hardening and once it is evident, start cleaning the grouted area. Please refer the table given below indicating the approximate time for initial cleaning with respect to ambient temperature range.**

| Initial cleaning time indicator Vs. Temperature |               |                 |            |
|---|---------------|-----------------|------------|
| Temperature range                               |               | Time in minutes |            |
| Low   | (10°C - 16°C) | -               | 15 Minutes |
| Normal  | (17°C - 25°C) | -               | 10 Minutes |
| High  | (26°C - 30°C) | -               | 7 Minutes  |
| Very High                                       | (31°C - 36°C) | -               | 5 Minutes  |

Rinse the sponge in clean water of bucket and squeeze it to get dampened.

Using the pink side of the damp sponge, lightly move across the tile surface and allow to soak the haze for 10-20 secs to loosen haze layer. Do not pour excess water on tile surface which leads grout leaching from joints and delay of joint curing.

After 10-20 secs soaking the surface, clean the surface with sponge by moving in circular motion across the tile surface to loosen the haze and to shape out the joints.

Place the sponge on the tile surface and use gently by giving very little pressure to ensure a full flush grout joint. drag a damp clean sponge diagonally over the wiped surface to remove grout residue.

Rinse your sponge before each cleaning by dipping the sponge in water. Squeeze as much water out of sponge as possible before placing on the tile after rinsing in the bucket. Change the water in the bucket if needed.

Do not over wash grout joints. Do not bend sponge as it pulls grouts from the joints.

If the grout haze has dried and left over on the tile surface, lightly dampen, and use the other side of scrubber (White nylon side), clean excess dried residues.

Finally, remove all the water droplets or halos as much as we can by dragging with tint free wet cloth or towel or dry sponge and let the surface dry for 16-24 hours before allowing light foot traffic.

In case the initial cleaning is not done and grout smears and haze remains on the tile, use MYK Laticrete Clenza AQ to clean the surface of tile. Follow the procedure given above for cleaning with Clenza AQ.

**Final Cleaning: Haze Removal from Tile/ Stone**

If clear halos, residue remains on the surface after 16-24 hrs, clean the surface with clean water /soap water using the other side of Scrubber (White nylon side).

Use the scrubber given with the grout kit and run the scrubber in circular motion to remove the dried haze, residual grout material, by applying pressure depending on the haze thickness and concentration, from tiles. Occasionally clean the scrubber in potable water, squeeze all the water, and keep working till the grout haze is removed.

Allow the grout to cure for at least 3 days to permit heavy foot traffic.

Protect grout from stains and chemicals during the cure process.

**AVAILABILITY AND COST**

**Availability**

LATICRETE® and LATAPOXY® materials are available worldwide.

For distributor information:

Telephone:

+91-40-6817 3100

E-mail: [contact@myklaticrete.com](mailto:contact@myklaticrete.com)

**Cost**

Contact a MYK LATICRETE closer distributor to obtain complete information and cost.

## **WARRANTY**

MYK LATICRETE India Pvt Ltd warrants that SP100 UNO grout is free from manufacturing defects and will not break down, deteriorate, or disintegrate under normal usage for a period of one (1) year from manufacturing of the product subject to the terms and conditions stated in MYK LATICRETE® Product Warranty.

Note: Data Sheets are subject to change without notice. For latest revision, check our website at [www.myklaticrete.com](http://www.myklaticrete.com)

## **MAINTENANCE**

LATICRETE® products are of high quality designed to achieve lasting installations and avoid maintenance, however performance and durability may depend on properly maintaining products, depending of the cleaning products used.

LATICRETE® and LATAPOXY® grouts require routine cleaning with neutral pH soap and water or LATICRETE cleaners. All other LATICRETE® and LATAPOXY® materials require no maintenance but proper installation as per instruction. Performance and durability may depend on properly maintaining of Installed area.

## **TECHNICAL SERVICES**

### **Technical assistance**

### **Technical and safety literature**

To obtain technical and safety literature, please visit our website at [www.myklaticrete.com](http://www.myklaticrete.com)

## **CUSTOMER CARE**

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