TECHNICAL DATA SHEET

SW 101 - SWISSTEK EPOXY GROUT

HIGH-STRENGTH, VOC-FREE & BPA-FREE EPOXY RESIN GROUT

1. DESCRIPTION:

- SW 101 - a cutting-edge solution designed to revolutionize your tiling projects. Crafted with meticulous precision, our epoxy grout is not your average grouting material; it's a true game-changer in the world of construction.
- Epoxy grout is a hygienic, hard-wearing, impervious, epoxide resin-based grout with a high degree of resistance to chemical attack, abrasion, and impact. The cured grout does not transfer taints to foodstuffs, does not permit the entry of bacteria or dirt and is easily maintained in a sterile condition.
- But the true brilliance of our epoxy grout lies in its ability to preserve the purity of your environment. Unlike conventional grouts, the cured surface of our epoxy grout leaves no room for taints to leach into foodstuffs. Whether you're in a commercial kitchen, a food processing area, or any space where hygiene is paramount, rest assured that our grout will pass the test with flying colors. We are committed to ensuring the safety of our products for our customers, including those engaged in artistic and craft-related activities. Our epoxy resin and hardener comply with the safety standards ASTM D4236 and EN 71.

2. KEY FEATURES:

- VOC Free.
- No BPA.
- Not classified as dangerous goods by the criteria for transport by road, rail, International Maritime Dangerous Goods Code (MDG code) for transport by sea and International Air Transport Association (IATA) dangerous goods regulations for transport by air.

3. FEATURES:

- High strength.
- Hygienic and chemical resistant
- Stain and bacterial resistant
- Can be cleaned off in 30 minutes and up to 60 minutes after application
- Provides high strength and durable joints
- Suitable for submerged conditions
- Easy to be cleaned from tiled surface
- Available in a wide range of colors

4. AREAS OF APPLICATION

- Walls and Floors
- Interiors and Exteriors
- Dry areas
- Showers
- Swimming Pools
- Heavily Trafficked Floors
- Hygienic Sterile Areas
- Kitchens and Cafeterias



SWISSTEK (CEYLON) PLC

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5. PHYSICAL PROPERTIES:

Epoxy grout @ 27± 1°c

➢ Specific gravity	1.3 -1.6	➢ Full cure	7 days
➢ Pot Life	60 minutes	➢ Temperature	Prolonged 5°C to 50°C
➢ Foot traffic	24 hours	➢ Resistance	Intermittent upto 70°C

6. PROPERTIES TESTED TO ISO13007-4:2013:

Property with Test method	Min. Requirement	Typical Result
Flexural Strength	≥ 30 N/mm²	40.7 N/mm²
Compressive Strength	≥ 45 N/mm²	85.0 N/mm²
Water Absorption (After 240 mins)	≤ 0.1 g	0.03 g

7. PRODUCT LIMITATIONS:

- Apply this product batch wise.
- Initial Setting Time < 120 Minutes. Service Setting time 48 Hours - 72 Hours.

8. APPLICATION INSTRUCTIONS:

Epoxy tile grout works differently from cementitious grouts. The application of epoxy grouts requires an experienced tradesman. It is easier to get it right the first time than to rectify issues after it has occurred.

Below are the recommended application methods for applying epoxy grouts. For more information, please refer Swisstek Epoxy Grout Method of Statement / video in swisstek youtube channel.

1. Mix the components in accordance to the recommended ratio.
2. Apply grout mortar with a firm rubber trowel or metal scraper.
3. Remove excess grout mortar using the edge of the rubber trowel or metal scraper. It is important not to wait too long to remove the excess grout so that there is minimal grout residue left on the surface.
4. Wet the surface with damp sponge and use a scrubbing pad to loosen the grout residue. After a few rounds of cleaning, the water tends to get sticky with resin residue. Always change the water after a few rounds of cleaning; otherwise, reusing the water will leave a sticky residue on the surface.
5. Final clean the surface thoroughly with clean water and sponge within the day of application and ensure that the surfaces are not sticky if the tile surface is rougher,recommended to paste the Masking tape into tile edges before application
6. For epoxy grouts in marble flooring, do an on-site polishing to achieve a seamless joint Finish.

9. PACKAGING:

- 2.5Kg / 5Kg Packs.

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10. COVERAGE:

• Estimated number of tiles that can be laid from 2.5 Kg SW-101 pack.

Tile Size (mm) Grout Gove Depth and Width (mm)	300x300	300x600	600x600	450x900	1200x600	198x198 (8'x8')	300 x 300 mosaic tile (which has 36 small tile pcs)
3x3	71 Tiles	47 Tiles	23 Tiles	35 Tiles	17 Tiles	31 Tiles	20 mosaic Tiles

* This is an estimate, actual can vary depending on application/tile surface/wastage and etc.

11. SHELF LIFE:

• 24 months in sealed condition and room temperature from the date of manufacture.

12. SAFETY ADVICE:

• Direct contact of uncured grout irritates eyes and may irritate skin. In case of eye contact, wash eyes with water for 15 minutes, and obtain medical attention.

13. ENVIRONMENTAL CONSIDERATION:

• Swisstek Products is committed to environmental responsibility for both products as well as manufacturing practices.

11. MARKETED AND DISTRIBUTED BY

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