



GLAZE PLUS

# TECHNICAL DATA SHEET

## SUN POX

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### DESCRIPTION

SUNPOX is a high-quality 2-part epoxy grout designed for superior durability and aesthetic appeal. It prevents stains, spillage, and chemical damage, ensuring long-lasting protection for tile and stone joints.

### FIELDS OF APPLICATION

SUNPOX is suitable for resistant installation and grouting of floor and wall tiles, mosaics, and more, with grout joints between 2 to 10 mm, including:

- Residential & Commercial Complexes General floor and wall tiles Bathrooms and showers Swimming pools Underfloor heating Kitchen counter tops Terraces and balconies Dairy & Food Processing Plants Environments exposed to aggressive chemicals, such as dairies, laboratories, pubs, and food factories.

### PROPERTIES

- Shear Adhesion Strength:  $> 2 \text{ N/m}^2$
- Flexural Strength (28 days):  $\geq 30 \text{ N/mm}^2$
- Compressive Strength (28 days):  $\sim 45 \text{ N/mm}^2$
- Abrasion Resistance:  $\leq 250 \text{ mm}^3$
- Water Absorption (4 hours): 0.1 g
- Temperature Resistance:  $-20^\circ\text{C}$  to  $+40^\circ\text{C}$

### TECHNICAL DATA

- Mix Ratio: Part A: 2 PBW, Part B: 1 PBW
- Application Temperature:  $+12^\circ\text{C}$  to  $+30^\circ\text{C}$  (Optimal:  $+18^\circ\text{C}$  to  $+23^\circ\text{C}$ )
- Consistency: Creamy
- Pot Life:  $\sim 45$  minutes
- Walk-on Time: 24 hours at  $23^\circ\text{C}$
- Full Cure: 5 days at  $23^\circ\text{C}$
- Shelf Life: 12 months from manufacturing date

## Direction for Use

- Surface Preparation: Ensure the surface is clean, dry, and free from dust, grease, or contaminants. Remove loose particles from grout joints before application.
- Mixing: Mix Part A (Base) and Part B (Hardener) in the exact ratio provided. Stir thoroughly with a slow-speed mixer until a smooth, uniform consistency is achieved.
- Application: Apply the mixed grout using a rubber spatula or grout float, pressing it firmly into the joints. Remove excess grout by moving the spatula diagonally across the joints.
- Cleaning: After 20–25 minutes, clean tile surfaces with a damp sponge in a circular motion. Remove grout haze with clean water or a mild soap solution after curing.
- Curing: Allow at least 24 hours for the grout to set before light use. Full curing occurs in 5 days for maximum strength and chemical resistance.

## TOOLS REQUIRED FOR APPLICATION

### Application/Technical Data:

| Application Data:          |                                       | Test                                  | Results                                    |
|----------------------------|---------------------------------------|---------------------------------------|--|
| Appearance                 | Part A :thick Colored<br>Part B: Soft | Permitted Application<br>Temperatures | From + 12° C to +30° C                     |
| Mixing ratio               | Part A-2 PBW : Part B-1<br>PBW        | Recommended<br>Application            | From +18° C to +23° C                      |
| Mix<br>Consistency         | Creamy                                | Walk on Time                          | 24 hours at Temp. 23° C                    |
| Specific Gravity<br>of Mix | 1.55 kg/l                             | Ready for Use                         | 5 Days at Temp. 23° C                      |
| Pot Life                   | ~45 minutes                           | Joint Width                           | From 2mm to 12 mm                          |
| Packing                    | 1 kg, 5 kg pack size                  | Shelf Life                            | 12 month from the date of<br>manufacturing |

## PERFORMANCE PROPERTIES: (Typical Values)

|                                  |   |   |                       |
|----------------------------------|---|---|-----------------------|
| Shear Adhesion Strength          |   | Flexural strength @ 28 days                     | ≥30 N/mm <sup>2</sup> |
| Initial                          | > 2 N/m <sup>2</sup>                          | Abrasion Resistance                             | ≤ 250mm <sup>3</sup>  |
| After Immersion In water         | > 2 N/m <sup>2</sup>                          | Shrinkage                                       | 1.5 mm/m              |
| Thermal Shock                    | > 2 N/m <sup>2</sup>                          | Water Absorption after 4 hours                  | 0.1 g                 |
| Compressive strength @<br>28 day | ~45 N/mm <sup>2</sup>                         | Test Environment: Temp. +27 °C, Humidity : 90%. |                       |
| Temperature of Use               | From -20 <sup>0</sup> C to +40 <sup>0</sup> C |   |                       |

## Health and Safety instructions:

- Protective clothing such as gloves, mask and goggles should be worn.
- Treat any contact to the skin or eyes with fresh water immediately.
- May be harmful if swallowed. In case of ingestion seek immediate medical attention

### Precautions:

- Wear suitable rubber gloves to avoid skin contact during application
- Never apply the Epoxy Tile Grout on wet/ damp surface
- Do not allow water to flow/run in to ungrouted joints while application
- Apply masking tapes along tile joints while working on unglazed floor tiles, natural stones tiles with matt glaze or textured surfaces.

**STORAGE:** 2 Part has a self-life of 12 months when stored in normal dry conditions.

**PACKAGING:** 1 kg, 5 kg

### TECHNICAL SUPPORT

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