

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 N/m²
- Flexural Strength (28 days): ≥ 30 N/mm²
- Compressive Strength (28 days): ~45 N/mm²
- Abrasion Resistance: ≤ 250 mm³
- Water Absorption (4 hours): 0.1 g
- Temperature Resistance: -20°C to +40°C

TECHNICAL DATA

- Mix Ratio: Part A: 2 PBW, Part B: 1 PBW
- Application Temperature: +12°C to +30°C (Optimal: +18°C to +23°C)
- Consistency: Creamy
- Pot Life: ~45 minutes
- Walk-on Time: 24 hours at 23°C
- Full Cure: 5 days at 23°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 Part B: Soft	Permitted Application Temperatures	From + 12° C to +30° C
Mixing ratio	Part A-2 PBW : Part B-1 PBW	Recommended Application	From +18° C to +23° C
Mix Consistency	Creamy	Walk on Time	24 hours at Temp. 23° C
Specific Gravity 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 manufacturing

PERFORMANCE PROPERTIES: (Typical Values)

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

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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