



Suryashree Blocks
Private Limited
Committed to Quality

TECHNICAL DATA SHEET

*BUILDING NEXT
GENERATION OF
FUTURISTIC
CITIES*

Suryashree
Epoxy Grout

SURYSHREE

Epoxy Grout

High Quality Epoxy Grout

APPLICATION AREAS

Suitable for chemical-resistant installation and grouting of floor and wall tiles and mosaic in interiors and exteriors with grout joints between 1 to 12 mm wide, such as: - Floor and wall tiles, stones in general for residential, public and industrial areas - Floor and wall tiles, stones in bathrooms, showers, swimming pool, tanks, thermal or brackish water, spas and hammams - Underfloor heating - Kitchen countertops - Terraces and balconies - Food & beverages industries - Dairy industries - Suited for drinking water and food processing applications Suitable for applications where the surfaces are exposed to aggressive chemical substances (see chemical resistance table) such as dairies, pubs, food factories in general. It is also recommended for grouting swimming pools and tanks, containing thermal or brackish water, spas and hammam baths. The product, therefore, can be used for the grouting of ceramic tiles, vitrified tiles and natural stones in environments submitted to direct contact with food items, such as: workbenches for meat, dairy products or flours, basins for fish breeding, kitchen tables in restaurants, bakeries and pastry shops.

SUBSTRATE

Suryshree Epoxy grout adheres to all sound, load-bearing, clean and dry substrates free of substances that may impair adhesion. Prior to grouting, the surface, thin-bed mortar or bedding mortar must have set sufficiently hard and all joints must be uniformly raked to the same depth and width.

FEATURES

- Optimized UV & Weather Resistant
- Easy application and cleaning as cementitious grout mortar
- High Mechanical Strength
- Ideal for Waterproof Grouting
- Joint Width 1 to 12 mm
- Suitable for the Contact with Food
- Stable & Uniform Colors for All Types of Tiles/Stones
- Excellent Chemical Resistance
- Non Toxic, Anti-Bacterial & Anti-Fungal
- Vertical Resistance/Slip Resistance
- Can be Used as a Grout Mortar & Adhesive
- Available in 20 Colors

PRODUCT SAFETY

Product contains cement, strongly alkaline reaction with moisture, so protect skin and eyes. After contact wash immediately with plenty of water. After eye contact also seek medical advice. It is recommended to use protective gloves and goggles. For further and complete information about the safe use of our product, please refer to the latest version of our Material Safety Data Sheet.

High Quality Epoxy Grout

INSTRUCTION FOR USE

- Suryshree Epoxy grout consists of two components supplied in one container. Component A consists of an epoxy resin, mineral aggregates and additives. Component B consists of a mixture of organic catalysts.
- **MIXING RATIOS**
Component A : 93 parts by weight
Component B : 7 parts by weight
The two parts are pre-batched in their respective containers
- **MIXING**
Add the hardener (component B) contained in the plastic bottle to the resin (component A) and mix with a low speed electric drill and stirrer (approx. 400 rpm) until the mixture is completely free of lumps. Scrape the sides and the bottom of the container, using a steel spatula, to make sure that all the paste is catalyzed. Partial Hand mixing can be done. The two parts are prebatched in their packaging.
- **INSTALLATION OF TILES**
Suryshree Epoxy grout is applied using the thin-bed method. The notch size of the trowel must be adapted to the respective tile format in accordance with the local norms. The working time, which is identical with the correction time, is approx. 45 minutes at room and container temperatures of +23 °C.
- **GROUTING**
Work the mixed compound with an epoxy grout float into the clean, dry joints. Make sure the joints are completely filled without any voids.
Afterwards remove any excess material by skimming it diagonally off the tile surface with the grout float. For large surfaces, an electric single-brush floor maintenance machine equipped with an abrasion-resistant rubber scraper can be used.
- **CLEANING & FINISHING**
The grout work must be cleaned and finished while the product is still wet and in any case in the shortest possible time. Take care to not remove product from the joints or leave stains on the tile/stone surface. Cleaning and finishing can be performed either manually or using an electric single-brush machine equipped with a felt disc.

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SHELF LIFE

Until 12 months since the date of production when stored in undamaged dry conditions and original packaging.

TECHNICAL DATA

Parameter	Results
Mix Density	1.70 g/ml
Pot Life	>45 minutes
Application Temperature	+10°C to +35°C
Abrasion Resistance	<200 mm ² (EN 12808 - 2)
Flexural Strength After 28 Days	>30 N/mm ² (EN 12808 - 3)
Compressive Strength (7 Days)	> 55 N/mm (EN 12808 - 3)
Water Absorption	< 0.10 g (EN 12808 - 5)
Shrinkage	< 0.40 mm/m (EN 12808 - 4)
Shore D Hardness	>70
Initial Shear Adhesion Strength	> 2.50 N/mm ² (EN 12003)
Shear Adhesion Strength After 2 Immersion in Water	> 2.50 N/mm ² (EN 12003)
Shear Adhesion Strength After 2 Thermal Shock	> 2.50 N/mm ² (EN 12003)
Open Time @ 30 Minutes Tensile Adhesion Strength	> 2.00 N/mm ²
Slip	< 0.5 (EN 1308)
Temperature Resistance	-10°C to +100°C (Dry Heat)
Joint Width	1 to 12 mm



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