



Suryshree Blocks
Private Limited
Committed to Quality

TECHNICAL DATA SHEET

*BUILDING NEXT
GENERATION OF
FUTURISTIC
CITIES*

Suryshree
Silver 138

SURYSHREE

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Floor & Wall Tile Adhesive

APPLICATION AREAS

Suryshree Silver 138 is a blended polymer modified cement based high performance Tile, Adhesive for fixing of Ceramics Tiles, Porcelain Tiles & Vitrified Tiles on Interior/Exterior Floor, It is suitable for Ceramics Tiles, Porcelain Tiles & Vitrified Tiles on interior Wall Size upto 300X600 mm.

SUBSTRATE

Adhesive can be put on smooth, compact substrates that are devoid of any materials that would hinder adhesion (dust, paint, bitumen, grease, etc.). Concrete needs to be a minimum of one month old. Plasters and screeds made of cement need to cure completely. Substrates that have anhydrite (residual moisture less than 0.5%) should be dust-free and mechanically roughened. The aerated concrete must be dust-free. Substrates can't be damp. It is necessary to mechanically remove any existing dirt, loose layers, and paint coats. Before applying, absorbent substrates need to be dampened and any surplus water removed.

FEATURES

- **Type 1 as per IS 15477-2019**
- **Application upto 10mm**
- **C1 T Compliant with EN 12004 Standard**
- **For larger vitrified tiles up to 300X600 mm**

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.

COVERAGE

Consumption may vary depending on the evenness on the substrate, trowel notch size, type of tiles / stone and the application technique.

SHELF LIFE

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

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INSTRUCTION FOR USE

- The surface to be tiled should be sound and thoroughly cleaned to make it free from dust wax, grease, polish etc
- Pre measure 3.8 - 4.2 liters of clean water per 20kg of Suryshree Silver, as per 19-21% ratio by weight, and pour into a suitably sized container
- Always put powder into water & mix it using a heavy duty slow speed drill at a low speed not to exceed 500 RPM fitted with a mortar mixing paddle
- Pre-wet tile and wait till it is dry. Pre-wetting is not required for vitrified/porcelain tiles
- Spread the paste to a thickness of approximately 4-8mm and comb with a notched trowel
- Ensure to apply the adhesive paste which can be tiled within 20 minutes
- Start placing the tiles on the surface to be tiled Tap the tiles properly with rubber hammer to ensure complete coverage of the backside of the tiles and to eliminate any possibility of air voids. Keep joints between two tiles using the spacers
- Allow tiling to set for 24 Hours
- Always use notched trowel for the better results

TECHNICAL DATA

Parameter	Results
Bulk Density	1.42 g/cc
Mixing Proportion	3.8 - 4.2 L of water (19% - 21% by weight) for 20 Kg bag
Slip Resistance / Vertical Slip (T)	≤ 0.5 mm
Pot Life	4 hrs
Achieved Thickness	Up to 10mm
Application Temperature	From +5°C to +35°C
Grouting	After approx 24 hrs
Adhesive Tensile Strength (According to EN 12004 : 2017 Standard @ 23 + 2°C)	

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TECHNICAL DATA

Parameter	Results	
	Minimum Requirement	Values In Range
Initial Dry Condition (After 28 Days) : > 0.50 N/mm ²	≥ 0.50 N/mm ²	0.80-1.15 N/mm ²
After Water Immersion	≥ 0.50 N/mm ²	0.60-1.10 N/mm ²
After Heat Ageing	≥ 0.50 N/mm ²	0.70-1.10 N/mm ²
After Freeze/Thaw Cycles	≥ 0.50 N/mm ²	0.80-1.00 N/mm ²
Open Time @ 20 Minutes	≥ 0.50 N/mm ²	0.55-0.65 N/mm ²
	(According to IS 15477-2019 Standard @ 27 + 2°C)	
Dry Condition	≥ 0.50 N/mm ²	0.70-1.00 N/mm ²
Adhesive Tensile Strength (According to IS 15477-2019 Standard @ 27 + 2°C)		
Dry Condition	≥ 1.00 N/mm ²	1.10-1.30 N/mm ²
Open Time	As Per Manufacturer	25 Mins (According to IS 15477-2019 Standard @ 27 + 2°C)
Adjustment Time	As Per Manufacturer	25 Mins (According to IS 15477-2019 Standard @ 27 + 2°C)
Temperature Resistance	From -30°C to +75°C	
Approximate Consumption	As a Guide : 1.2 kg / m ² / mm of Thickness	



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