



**Suryashree Blocks**  
*Private Limited*  
Committed to Quality

# TECHNICAL DATA SHEET

***BUILDING NEXT  
GENERATION OF  
FUTURISTIC  
CITIES***

**Suryashree**  
**Copper 528**

# SURYSHREE

## Copper 528

### Floor Tile Adhesive

#### APPLICATION AREAS

Suryshree Copper 528 is a blended polymer modified cement based high performance Tile, Adhesive for fixing of Ceramics Tiles, Porcelain Tiles & Vitrified Tiles on Interior Floor, It is suitable for Ceramics Tiles, Porcelain Tiles on interior Wall.

#### SUBSTRATE

Adhesive can be applied on even and compact substrates, free of any substances that reduce adherence (grease, bitumen, oil, paint, dust etc.). Concrete should be at least 1 month old. Cement screeds and plasters should be fully cured. Substrates should be mechanically roughened and cleaned from dust. Substrates must not be wet. Any existing dirt, loose layers and paint coating shall be mechanically removed. Absorbent substrates shall be dampen and remove excess water before application.

#### FEATURES

- Type 1 as per IS 15477-2019
- Application up to 10mm
- For Tiles (>3% Porosity)

#### 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.



### Floor Tile Adhesive

#### 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 4 - 4.4 liters of clean water per 20kg of Suryshree Copper, as per 20-22% Ratio by Weight
- 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	1.40 g/cc
Mixing Proportion	4 - 4.4 L of water (20% - 22% by weight) for 20 Kg bag
Slip Resistance / Vertical Slip (T)	< 0.5 mm
Open Time	15 min
Adjustment Time	20 min
Pot Life	1.5 hrs
Achieved Thickness	Up to 10mm
Application Temperature	From +5°C to +35°C
Grouting	After approx 24 hrs
Adhesion (as per IS 15477-2019)	
Tensile Adhesion Strength Dry Condition	≥ 0.5 N/mm <sup>2</sup>
Shear Adhesion Strength Dry Condition	≥1.0 N/mm <sup>2</sup>



**Suryshree Blocks**  
Private Limited  
Committed to Quality



## Contact Us



+91 63599 59665



[customercare@suryshreeblocks.com](mailto:customercare@suryshreeblocks.com)



[suryshreeblocks.com](http://suryshreeblocks.com)



Survey No - 302, Village : Chiyada, Taluka : Bavla,  
Dist : Ahmedabad - 382 220, Gujarat, India