

# PG-1100 S2 (G/W)



## DESCRIPTION

Highly Flexible Polymer Fiber Modified Special Adhesive Mortar for Installing large format vitrified tiles, composite Marble/Quartz (Engineered Stone) and Natural Stone Slabs with high safety reserves.

## SPECIFICATION

TYPE: 4 Compliant With IS 15477:2019 STANDARD

C2TE S2 Compliant With EN 12004:2008

## FEATURES & BENEFITS

- Easy to apply
- Excellent bond strength
- No shrinkage
- No curing required
- Highly flexible yet strong on bond strength
- Higher working time
- Suitable for mosaic and various
- High slip resistance
- Superior whiteness
- Excellent bond strength
- Suitable for demanding external applications
- Enable faster completion of job savings of time and money.
- Suitable for various substrates
- Large format tiles and marble slabs > 800X2400 mm



20kg



## TECHNICAL INFORMATION

Appearance	PG 1100 S2	PG 1100 W S2
Appearance	Grey cement powder	White cement powder
Bed thickness	6-12mm	6-10mm(including glass mosaic)
Mixing ratio @27±2°C, 65% humidity	7L to 8.5L water per 20kg bag	7L to 8.5L water per 20kg bag
Pot life @27±2°C, 65% humidity	≥ 3 hours	≥ 3 hours
Open time @27±2°C, 65% humidity	≥ 45 min	≥ 45 min
Adjustability @27±2°C, 65% humidity	40 min	40 min
Final setting time @27±2°C, 65% humidity	24 hours	24 hours
Slip resistance, 20kg/m², EN 1308	≥ 0.5mm	
Hardening Time,	1. Traffic able: 2. Floor Tile: 3. Wall Tiles:	24-36*hours approx 24-36*hours(grouting time) 6-8*hours(grouting time)
Deformation	>5.0mm	24-36hours approx 24-36hours(grouting time) 6-8*hours(grouting time)
Temperature Resistance	-30C to +75 C	
Basic	Cement,aggregates, additives	
Apparent Density	1.15gm/cc	
Maximum Grain Size	0.6mm	
Flammability	no	

## TECHNICAL STANDARDS AND RESULTS IS 15477:2019

Classification	Property	Requirement	PG-1100 S2	PG W 1100 S2
Type 4 Adhesive: based on fixing tiles of apparent porosity less than or equal to 3% (100 mm x 100 mm x 8.0 mm) Shear test	Shear Adhesion Test: Dry condition 28 days.	1.5N/mm <sup>2</sup>	2.95N/mm <sup>2</sup>	2.47N/mm <sup>2</sup>
	Heat aging condition 28th days	1.0N/mm <sup>2</sup>	1.62N/mm <sup>2</sup>	1.70N/mm <sup>2</sup>
	Wet Aging Condition 28th Days	1.0N/mm <sup>2</sup>	1.57N/mm <sup>2</sup>	1.50N/mm <sup>2</sup>

## EN 12004:2008

Classification	Property	Requirement	PG 1100 S2	PG W 1100S2
C2TE S2 Adhesive: based on fixing tiles of apparent porosity less than or equal to 3% (50 mm x 50 mm x 8 mm) Tensile test	Tensile adhesion strenght Min. Dry condition 28 days	1.5N/mm <sup>2</sup>	2.25N/mm <sup>2</sup>	2.23N/mm <sup>2</sup>
	Wet condition 28th days	1.0N/mm <sup>2</sup>	2.10N/mm <sup>2</sup>	2.03N/mm <sup>2</sup>

## **APPLICATION INSTRUCTION**

### **SURFACE PREPARATION**

- ◆ Surface should be sound and clean, free from dust, grease, oil, loose material, paint etc.
- ◆ Movement joints to be filled with suitable joint filler.
- ◆ The surface must be in SSD condition before application.

### **APPLICATION INFORMATION**

- ◆ Spread the adhesive uniformly on the surface as required with proper notch trowel to get the required depth of 6-12mm.
- ◆ Place the tile on the adhesive surface and press firmly into position with a slight twisting action, ensure that good contact is maintained to the back of each tile, eliminating the possibility of any air voids.
- ◆ Tiles should be applied within 15 to 20 minutes of adhesive being applied.
- ◆ Keep adequate joints between two tiles using spacers.
- ◆ Clean off surplus adhesive from the tile face and between joints.

### **COVERAGE**

30-35 sq.ft for 20kg bag at 6mm thickness, may vary upon notch trowel size at site condition.

### **PACKAGING**

20kg

### **SHELF LIFE**

Shelf life is one year from the date of manufacturing. Store the material in cool and dry place away from moisture.

### **TECHNICAL BASE**

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

### **HEALTH AND SAFETY INFORMATION**

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data sheet containing physical, ecological, toxicological and other safety-related data.

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