

PG-150



DESCRIPTION

Ready to use grey cement based polymer modified non-shrink, self-curing tile adhesive for floor tiles fixing. It provides excellent adhesion and waterproofing properties.

AREA OF APPLICATION

- Suitable for fixing tiles of apparent porosity greater than 3%
- Fixing ceramic & mosaic tiles on floor surface.

BENEFITS

- Ready to use, only water needs to be added as per site condition
- Excellent waterproofing properties
- Low shrinkage and crack resistant
- Better bond than conventional cement based mortar
- Flexible to accommodate thermal movement
- Time saving and increase productivity



20kg | 40kg (G)

TECHNICAL INFORMATION

Appearance	Grey Cement Powder
Bed thickness	3-6mm
Mixing ratio @27±2°C, 65% humidity	5.2 litre to 5.4 litre water per 20kg bag
Pot life @27±2°C, 65% humidity	>2 hours
Open time @27±2°C, 65% humidity	>10 min
Adjustability @27±2°C, 65% humidity	10 min
Final setting time @27±2°C, 65% humidity	24 hours

TECHNICAL STANDARDS AND RESULTS

IS 15477:2019/ EN 12004:2008

Classification	Property	Requirement	PG-150
Type 1 / C1 Adhesive: based on fixing tiles of apparent porosity greater than 3 percent, (50 mm x 50 mm x 8 mm) Tensile test	Tensile Adhesion Strength: Dry condition 28 days.	0.5 N/mm ²	0.75 N/mm ²
(100 mm x 100 mm x 8.0 mm) Shear test All values stated are tested @ 27±2°C, 65% humidity.	Shear Adhesion Strength: Dry condition 28 days.	1 N/mm ²	1.29 N/mm ²

PULL OFF TESTING

Dry Condition 28 days. (min-0.5 N/mm ²)	IS 15477:2019/EN 12004:2008	PG-150
	0.5 N/mm ²	0.59 N/mm ²

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

MIXING

- ◆ Mix 20kg bag of PG-150 in approx 5.5 to 6litre of clean water and mix thoroughly until a slump free mortar is achieved.
- ◆ Mix with a trowel or slop speed drills for homogeneous mix.
- ◆ Allow it to slake for 5 minutes.
- ◆ Mix the required quantity, which can be used within the desired pot life.

APPLICATION

- ◆ Spread the adhesive uniformly on the surface as required with proper notch trowel to get the required depth of 3-6mm.
- ◆ 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.

PRECAUTIONS

- ◆ Always add powder to water and never add water to powder.
- ◆ Not recommended for wall tiling, and tile on tile application.
- ◆ Never add excess water than recommended.
- ◆ Surface should be hard and in sound condition for floor tiling.
- ◆ Do not use in damp Conditions.
- ◆ Not recommended for tiling on paint, wood, metal and gypsum

COVERAGE

25-30 sq. ft for 20kg bag at 6mm thickness, may vary upon notch trowel size at site condition.

PACKAGING

20kg | 40kg

SHELF LIFE & STORAGE

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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