

PG-800 (G/W)



DESCRIPTION

PG-800 / W800 Adhesive is a grey or white cement based higher grade polymer modified high strength flexible tile adhesive for fixing of any type of tiles, slabs of granite, marble, stable stone, mosaic of all kind including inside swimming pool, on interior and exterior situation.

SPECIFICATION

PG-800 & W 800 adhesives is manufactured to meet the standards IS 15477 TYPE III-IV, EN 1348 ANSI A- 118.1.

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



20kg

TECHNICAL INFORMATION

| Adhesive | PG 800 | PG W 800 |
|--|--|--|
| Appearance | Grey cement powder | White cement powder |
| Bed thickness | 6-12mm | 3-10mm(including glass mosaic) |
| Mixing ratio @27±2°C, 65% humidity | 7litre to 8.5litre water per 20kg bag | 7litre to 8.5litre water per 20kg bag |
| Pot life @27±2°C, 65% humidity | >3 hours | >3 hours |
| Open time @27±2°C, 65% humidity | ≥ 35 min | ≥ 35 min |
| Adjustability @27±2°C, 65% humidity | 35 min | 35 min |
| Final setting time @27±2°C, 65% humidity | 24 hours | 24 hours |
| Slip resistance, 20kg/m ² , EN 1308 | ≤ 0.5mm | ≤ 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) |

TECHNICAL STANDARDS AND RESULTS

IS 15477:2019

| Classification | Property | Requirement | PG-800 | PG-W-800 |
|--|---|----------------------|-----------------------|-----------------------|
| 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 Strength: Dry condition 28 days. | 1.5N/mm ² | 2.31N/mm ² | 2.44N/mm ² |
| | Heat aging condition 28th days | 1.0N/mm ² | 1.74N/mm ² | 2.83N/mm ² |
| | Wet aging Condition 28th days | 1.0N/mm ² | 1.59N/mm ² | 1.64N/mm ² |

EN 12004:2008

| Test Method | Property | Requirement | PG-800 | PG-W-800 |
|--|--|----------------------|-----------------------|-----------------------|
| C2TE S1 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 strength Min. Dry condition 28 days | 1.5N/mm ² | 2.25N/mm ² | 2.31N/mm ² |
| | Wet condition 28th days | 1.0N/mm ² | 1.47N/mm ² | 1.52N/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-800 & W800 in approx 7litre to 8.5litre of clean water and mix thoroughly until a slump free mortar is achieved.
- ◆ Mix with a trowel or slow 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, not exceeding 1m² area.

APPLICATION

- ◆ 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.

PRECAUTIONS

- ◆ Always add powder to water and never add water to powder
- ◆ 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

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

PACKAGING

20kg

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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