

## DIAMOND ADHESIVE



### Advantages

- High polymer modified adhesive
  - Easy mixing & smooth application & better workability
  - For use on walls & floors in interior & exterior.
  - High strength & Water resistance
  - DIAMOND ADHESIVE meets the performance requirements of IS 15477 : 2004
- “Specification for Adhesives for use with Wall Tiles, Floor Tiles, Marbles, Granites and Stones”

### Application Areas

**Walls ,Floors ,Interiors ,Exteriors ,Dry & Wet areas Showers , Swimming Pools**

### Method of Application

#### 1 Surface Preparation

- \* The surface should be sound, clean, and free from dirt, oil or grease before PROOFER DIAMOND ADHESIVE is applied.
- \* Substrate should be in Saturated Surface Dry (SSD) condition before application of adhesive. Substrates should be in plumb before application of adhesive

#### 2 Mixing

- \* Mix 20 kg of PROOFER DIAMOND ADHESIVE with 5 to 6 liters of water.
- \* Mix to a uniform lump-free consistency using a forced action mixer.
- \* Keep it for approximately 5 minutes to fatten it.
- \* Hand mixing is recommended for small quantities only.
- \* Mix as much quantity as can be consumed in 45 min.

#### 3 Application

- Apply PROOFER DIAMOND ADHESIVE paste on substrate with plain side of notch trowel. Press paste firmly to work into substrate.
- \* Comb with notch trowel with notched side, notch trowel to be selected as per required bed thickness.
  - \* Spread as much adhesive paste as can be tiled within 15 minutes.
  - \* Start placing/fixing of tiles & tap using beating block or rubber mallet.
  - \* For large format tiles & stone provide back butter for 100 % coverage & firm bonding.
  - \* Periodically remove a tile to check transfer of material on tile. Also check spread of adhesive, if not proper and if becomes non-sticky then scrap it & apply paste again..

#### 4 Grouting

- \* Grouting should preferably be carried out at least 24 hours after the completion of tiling.

#### 5 CLEANING

- \* Clean the tools & equipments with potable water immediately after use.



#### Technical Information

PROPERTIES	RESULTS
Appearance	Free flowing powder
Pot life @ 25OC, minutes	35 to 45
Open time, minutes	25
Adjustability time, minutes	5
Trafficable time, Hrs	24
Shear adhesion, KN	8 – 10
Tensile adhesion strength, 14 days, N/mm <sup>2</sup>	2758 kN force

#### Precautions & Limitations

- \* Always add powder to liquid and not liquid to powder.
- \* While working in temperature more than 35OC ( 95OF ) always dampen the substrate & finish faster.
- \* Tiling should not be done when surface temperature is below 4OC.

#### Health & Safety Precautions

- Protective clothing, such as gloves and goggles, should be worn.
- \* Treat any contact to the skin or eyes with fresh water immediately.
- \* Do not induce vomiting & seek medical
- \* Assistance immediately.
- \* Reseal pack after use and ensure product is stored as instructed..

#### Pack Size

20 kg

#### Coverage

approximately 4.5 to 5 m<sup>2</sup>/20kg @ 3 mm thickness when using a thin trowel