



PINNACLE

High performance, polymer modified, non-slip adhesive

Description :

White and Grey cement based, high polymer modified, high strength adhesive for fixing tile & stone on wall/floor in interior/exterior situations at upto 6mm bed thickness (can be extended up to 12 mm in area of limited extent). The set adhesive is water-resistant and non-slip.

Pinnacle is flexible and can accommodate shocks due to impact load and heavy traffic. It is used for fixing ceramic, vitrified & fully vitrified tiles, glass mosaic, porcelain, terrazzo, natural stone and engineered stone.

Note: Not recommended for direct use onto gypsum plaster (wall finishes), paint or metal.

Compliance :

- ANSI:AI 18.4 ET
EN 12004/ISO 13007 :C2TE S₁
IS 15477;2019;TYPE 3T ADHESIVE
- VOC: Practically Nill

Areas of Application :

Walls	✓
Floors	✓
Interiors	✓
Exteriors	✓
Dry areas	✓
Wet areas	✓
Showers	✓
Swimming Pools	✓

Substrates :

Brick / Concrete	✓
Cement Sand Rendering	✓
Light Weight Block	✓
Anhydrite Screed	✓
Unglazed Tiles	✓
Hard Natural Stone	✓
Glazed Tiles	✓

Benefits :

- Very high bond strength
- Non-slip
- Flexible adhesive
- Water resistant
- Easy mixing, smooth application & better work ability

Coverage Estimates :

Pack size	Coverage
20 kg	approx. 3.0 kg/m ² using a 6mm x 6mm square notch trowel

■ **Note:**

- Coverage will depend on the nature and flatness of the surface And the method of application . For good coverage, It is vital that all surfaces are smooth, plumb, Level and free from defects and undulations.

■ **Application Instructions :**

Substrate Preparation

Before starting any work ensure that the base is:

- Sufficiently flat to permit the specified flatness of finished tiling, bearing in mind the permissible thickness of the adhesive.
- Suitable for tiling in the service conditions to which it will be exposed.
- Surfaces to be tiled must be dry, clean and free from loose material and contamination.

■ **Mixing :**

Add PINNACLE to clean water. Mix thoroughly until a lump-free mortar is obtained. A 20 kg bag will require approx. 4.7 - 5.2 litres of water to obtain a slump-free consistency. The adhesive is immediately ready-for-use and has a pot life of 3 hours. No further water should be added.

Where mixing by weight is not possible, volume mixing can be carried out at site in the ratio of 1 : 3 (water : powder) In case of using TUFEX AD : Use 1 litre of TUFEX AD with 3.7 - 4.2 litres of water and 20 kg of PINNACLE

■ **Application :**

1. Spread not more than the area which can be tiled within the open time of the adhesive.
2. Comb the adhesive to the required depth using a suitable square notch trowel.
3. Press the tiles firmly into position with a slight twisting action, checking periodically that good contact is maintained with the back of each tile. Leave no voids behind tiles.
4. Tiles should be fixed within 20 minutes of adhesive being applied, depending on the porosity of the surface and atmospheric conditions. Tiles can be adjusted up to 15 - 20 minutes after fixing. Touch the adhesive ribs periodically and if a skin has formed, remove the adhesive and apply a new layer.
5. Leave adequate joints between individual wall and floor tiles unless self spacing tiles are used.
6. Clean off surplus adhesive from the tile face and between joints

■ **Technical Information :**

Colours	Grey & White
Mixing Ration	5.6 to 6.4 Ltrs/ Bag 20 Kg Pinnacle
Pot Life	≥ 4 Hr
Open Time	≥ 30 Minutes
Adjustability	≥ 45 Minutes
Bed Thickness	3mm To 10mm
Grouting	8 Hour On Wall / 24 Hour on floor

■ Durability Test :

Adhesion After Heat Agering.	≥ 2.5 MPa ANSI A-118.1	ANSI A-118.1
Adhesion After Water Immersion	≥ 1 MPa EN 1348	EN 1348
Adhesion After Freeze Thaw Cycle	≥s 2.5 MPa ANSIA-118.1	ANSI A-118.1
Working Temperature	From - 30°C To 80°C	
Conformity	C2TES1 Type3/TS1	EN 12004 IS 15477:2019

■ Note :

- Do not use in damp conditions and temperature less than 5°C
- Use suitable clamps along with adhesive at the time of installation of tiles/stones at height of more than 6mtr. For larger format tiles/stones, use clamps from 3.3mtr height.
- Leave movement joints at every 3mtr vertical interval and fill with a flexible sealant as per BS 5385.

■ Spacers :

Use DUBOND spacers for uniform joint width.

■ Grouting :

Grouting should be carried out after 24 hours. Use the appropriate grouting material from the range of DUBONDS cementitious and Dupoxy grouts. Note: The addition of TUFEX GT to cement - based grouts will enhance adhesion to tile/stones edges, increase water- resistance and improves flexibility.

■ Cleaning :

Tools and containers may be cleaned using clean water when the adhesive is still fresh. The hardened adhesive can be removed from tools mechanically.

■ Storage and Shelf Life :

PINNACLE has a shelf life of 12 months when stored in normal dry conditions.

■ Precautions :

Keep out of reach of children. Wear suitable protective clothing, gloves and eyes/face protection. After contact with skin, wash immediately with plenty of clean water. In case of contact with eyes rinse immediately with plenty of clean water and seek medical advice.

For more details please refer the relevant Material Safety Data Sheet

■ Conditions of Sale :

Sold subject to the Company's conditions of sale which are available on request.

■ Note :

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.



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