

PRODUCT DATA SHEET



Pri 800H

EN 12004 STANDARD C2TES1

Dec-25

HIGHLY GRADED POLYMER MODIFIED STERONG CEMENTITIOUS UNIVERSAL ADHESIVE

PRI BOND'S PRI 800H is a grey or white cement based higher grade polymer modified high-strength, flexible tile adhesive for fixing of any type of tiles on interior and exterior situation. It has a special function that works specifically to counter conditions such as external pressures on cladding tiles of the skyscrapers and large format tiles with overlaying on existing floors. It is a secure professional method of laying and has deform ability up to 10mm thickness.

Areas of Application

- Designed for fully water resistance and anti-skid property
- Excellent for large format paving slabs.
- Fixing absorbent floor and wall tiles outdoors and indoors.
- Fixing poorly absorbent or non-absorbent materials such as synthetic marble, asbestoscement sheet, split tiles, refined porcelain stoneware, and glass block
- Fixing natural stone, synthetic stone and marble so long as they are not affected by environment.
- Fixing on heating floors.
- Fixing on minor shocking substrate

Features & Benefits:

- Mineral adhesive for high-performance laying or overlaying with no vertical slip.
- Single component.
- It develops full stability to the action of alkaline hydrolysis, ensuring the laying of coverings in structures in constant contact with water.
- SAS Technology (Shock Absorbing System)
- STC technology (Surface Tension Compatibility)

TECHNICAL PARAMETERS

Appearance – Grey / White powder

Bed thickness : Up To 15 mm

Bulk Density -1.70 gm/cc

Pot Life - 180 minutes

Open Time - 30 minutes

Adjustment Time – 40 minutes

Water Retio – 20 Kg Bag : 4.20 Ltrs To 4.80 Ltrs

Self Life – 12 Months from the date of manufacturing in a sealed condition.

Store in a cool dry place

Compressive strength @ 28 days - > 14.5 N/MM²

Temperature range of application : +5°C To 35° C



Area of Application

Synthetics marble, asbestoes cement sheet

Glass blocks, porcelain stoneware

Suitable for wet area

Preparation of Substrate

1. The substrates must be free from dust, oil and grease, must be in dry condition and free from any rising dampness, the residual traces of cement, lime and paint, shall be totally scraped & removed.
2. The substrate must be stable without cracks, must have already been completely cured. Undulated areas must be corrected with suitable smoothing and finishing products.
3. On screeds and plasters which are highly absorbent and have dusty and flaky surfaces it is advisable to apply one or more coats of Hydro Prime a professional, concentrated water-base, surface insulation product and a primer which reduces the water absorption and to improve spread ability of the adhesive.

Preparation of Adhesive paste:

- Prepare PRI800H in a clean and dry container, first pour the quantity of water equal to approximately $\frac{3}{4}$ of that which is required.
- Gradually add PRI800H to the water in the container,
- Add more water until the desired consistency is obtained. The mixture must be homogeneous and without any lumps. For the best results, and to mix larger quantities of adhesive, a stirring device with vertical blades and slow rotation is recommended.
- Specific polymers with high-dispersion properties ensure that PRI800H is immediately ready for use. The amount of water to be added, indicated on the packaging.
- It is possible to obtain mixtures with a more or less thixotropic stability depending on the type of application.

Do not add extra water, this shall not improve the workability but rather may cause shrinkage in the plastic phase of drying which shall result in a very less effective final performance with a decrease in compressive strength and adhesion to the substrate.

Application

1. PRI 800 H should be applied with a suitable notched spreader, chose according to the size and characteristics of the rear surface of the tiles. It is best to use the smooth part of the trowel to spread a fine initial layer.
2. Press down very hard so the maximum adhesion to the substrate shall be obtained which shall regulate the water absorption also, after which the thickness can be adjusted as required by tilting the notched trowel at an angle.
3. Spread the adhesive over a surface area which will allow for laying of the covering materials within the indicated open time, and check for suitability of the adhesive at regular intervals.
4. The open time may vary considerably even during the application, depending on various factors such as exposure to sunlight, temperature, air currents, water absorbency of the substrate, and relative humidity of the atmosphere.
5. Press down each tile to allow for complete, uniform contact with the adhesive. In the case of laying in environments subject to heavy traffic, the double-spread technique must be used, which ensures laying procedures on fresh adhesive, 100% coverage of the rear of the tiles and maximum adhesion.

Precautions & Limitations:

- Do not use the adhesive to correct substrate irregularities greater than 15mm.
- Lay and press tiles onto fresh adhesive, making sure it has not formed a surface film the temperature, ventilation and absorption of the substrate and covering materials may vary the adhesive workability and setting times

Coverage:

This shall depend on the nature and flatness of the surface and the method of application, but at for a bed thickness of 4 mm. Dft. It is 2 approximately 65 sq. Ft for 20 kgs bag with 6mm x 6mm x 12mm square notch trowel 2.5 - 5 Kg/ M for 20kgs bag. For good coverage, it is vitally important that all surfaces should be clean, smooth, plumb, level and free from defects and undulations.

Packing:

20 Kg Bag.

Health & Safety Precautions:

Use Gloves. Non-Toxic.

Sr no.	Test Description	Achived Value	Required Value
		N/mm2	N/mm2
1	TENSILE ADHESION TEST (T.A.S) 28 DAYS DRY	≥ 2.20	1.50 Minimum
2	TENSILE ADHESION TEST (T.A.S) (DURABILITY TEST) WET CONDITION:- 07 DAYS DRY + 21 DAYS IN WATER IMMERSION	≥ 1.35	1.0 Minimum
3	SHEAR ADHESION TEST (S.A.S) 28 DAYS DRY	≥ 1.85	1.50 Minimum
4	SHEAR ADHESION TEST (S.A.S) (DURABILITY TEST) WET CONDITION:- 07 DAYS DRY + 21 DAYS IN WATER IMMERSION	≥ 1.05	1.0 Minimum
5	SHEAR ADHESION TEST (S.A.S) (DURABILITY TEST) HET CONDITION:- 14 DAYS DRY + 14 DAYS HEAT OVEN:- 70° ± 3°C	≥ 1.35	1.0 Minimum
6	Slip Resistance - T	< 0.30 mm	Max. 0.5 mm

Note: The information supplied in this data sheet is based upon extensive experience and is given in good faith in order to help you.

Our company policy is one of continous research and development we there for reserve the right to update this information at any stage without prior notice. we also gurantee the consistant high quality of our product.

however as we have no control over site condition or the execution of the work we accept no liability for any loss or damage which may arise as a result there of.

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