

PRODUCT DATA SHEET

PRI 600

EN 12004 STANDARD C2TE



VERY HIGH-PERFORMANCE CEMENTITIOUS ADHESIVE

PRI BOND'S PRI600 is a hi-tech adhesive with superior levels of adhesion and deformability. It is a high-performance dry set adhesive for use with water or latex for installing Vitrified tiles, marble, stone, any kind of non-porous or vitreous tiles or synthetic stone.

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 for it has high deformability up to 10 mm thickness.

Areas of Application

- Fixing absorbent floor and wall tiles outdoors and indoors. The tiles can be made of: cotta, double-fired, single-fired ceramic.
- Fixing natural stone and marble, so long as they are not affected by water
- Fixing on heating floors.
- Fixing poorly absorbent or non-absorbent materials such as single-fired tiles, refined porcelain stoneware and vitrified tiles.
- Spot-gluing insulating panels made of polystyrene, polyurethane foam, rock or glass wool.
- Suitable for fixing tiles: on top of old ceramic tiles or on facades
- Very good for large format paving slabs.

Features & Benefits:

- Eco-friendly,
- High-performance laying, ideal for use in industrial and commercial applications
- Mineral adhesive for high adhesion,
- PRI600 contains recycled raw materials
- PRI600 develops an extended open and adjustability time meaning even highly porous tiles can be quickly and safely laid on very absorbent substrates.
- Thicknesses up to 10 mm

Preparation of Substrate:

- In general, cement-based substrates must be free from dust, oil and grease, dry and free from any rising damp, with no loose, flaky or imperfectly anchored parts such as residual traces of cement, lime and paint, which must be totally removed.
- The substrate must be stable and without cracks, must have already completed curing hygrometric shrinkage and must present suitable mechanical resistance levels. Undulated areas must be corrected with suitable smoothing and finishing products.

Application

- Prepare PRI600 in a clean container, first of all pouring in a quantity of water equal to approximate 5 ltr. of that which will be required.
- Gradually add PRI600 to the water in the container, mixing the paste from the bottom upwards with a low - rev (600 RPM / min.) helicoidal agitator. Then add more water until the desired consistency is obtained, the mixture must be homogeneous and without any lumps. For best results and to mix larger quantities of adhesive, a stirring device with vertical blades and slow rotation is recommended.
- Always use appropriate size of trowel with respect to the tile size and the density of the tile.
- Spread the adhesive over a surface area which will allow for laying of the surface materials within the indicated open time and check for suitability of the adhesive at regular intervals, the open time may vary considerably during the same operation, depending on various factors such as exposure to sunlight, air currents, absorbency of the substrate, temperature and relative humidity of the atmosphere.



- Press down each tile to allow for complete, uniform contact with the adhesive. In the case of laying in environments subject to heavy traffic or in outdoor locations, the double-spread technique must be used, to ensure 100% coverage of the rear of the tiles

Precautions & Limitations:

Do not use on substrates with a gypsum and anhydrite base without use of Primer the professional, concentrated, water-base, surface insulation product

1. On heat-radiant slabs,
 2. High flexible substrates;
 3. On plastic or resilient materials,
 4. On wet surfaces or substrates subject to moisture rising.
 5. Metals and wood;
- Do not use the adhesive to correct substrate irregularities greater than 10 mm
 - Lay and press tiles onto fresh adhesive, making sure it has not formed a surface film
 - Protect against direct rain and freezing for at least 24 hours
 - The temperature, ventilation and absorption of the substrate and covering materials may vary the adhesive workability and setting times
 - Use a toothed spreader suitable for the format of the tiles
 - Use the double-spread technique for all outdoor laying

Technical Information

Colours : Grey & White
 Mixing Ratio : 5 to 5.4 Litres/ Bag 20 Kg Pack
 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

Tensile Adhesion Strength

| | Value Grey | Value White | Requirement EN 12004 | Test Method |
|---------------------------------------|-----------------------|-----------------------|-------------------------|-------------|
| Initial Tensile Bond | 1.9 N/mm ² | 1.8 N/mm ² | > 1.0 N/mm ² | EN 1348 |
| Tensile Bond after heat ageing | 1.2 N/mm ² | 1.2 N/mm ² | > 1.0 N/mm ² | EN 1348 |
| After water immersion | 1.4 N/mm ² | 1.5 N/mm ² | > 1.0 N/mm ² | EN 1348 |

Coverage:

Approximately 30 to 35Sq.ft for 20 kgs bag with 5mm x 5mm square notch trowel for a bed of 5 mm

Packing:

20 Kg Bag.

Shelf Life & Storage:

12 months with original packing in dry storage condition.

Health & Safety Precautions:

Use Gloves. Non-Toxic.

