



PRISTINE

HIGHLY GRADED POLYMER MODIFIED STRONG CEMENTITIOUS UNIVERSAL ADHESIVE

Dubonds's PRISTINE 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.

Green Building Rating



Mineral \geq 30%



Low Emission



Low Ecological Impact



Health Care



Water Based

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, asbestos cement 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 effective laying of coverings in structures in constant contact with water
- SAS Technology (Shock Absorbing System)
- STC technology (Surface Tension Compability)

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 HydroPrime a professional, concentrated water-base, surface insulation product and a primer which reduces the water absorption and to improve spreadability of the adhesive.

Preparation of Adhesive paste :

- Prepare PRISTINE 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 PRISTINE 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 PRISTINE 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.
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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. PRISTINE 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, temprature, 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.

Application

Partial replacement of mixing water with Tuffex AD professional elastomeric latex enhances the adhesive's capacity for transversal deformation. To define the percentage of Tuffex AD to be added, on the basis of the various factors related to the system, best shall be the site conditions and further consulting the Dubond Products (India) Pvt Ltd's official web site.

Precautions & Limitations :

- Do not use on gypsum-base plasters and anhydrite screeds without the use of HydroPrime a professional concentrated, water-base, surface insulation product; on plastic or resilient materials, metals and wood; on substrates subject to continuous moisture rising
- 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 temprature, ventilation and absorption of the substrate and covering materials may vary the adhesive workability and setting times

Technical Information :

Apparency	grey and white
Water Mixing ratio	5.6 ltrs – 6.4 ltrs / bag of 20kg pristine.
Pot life	≥ 4 hours
Open time	≥ 30 minutes
Adjustability	≥ 45 minutes
Max Bed thickness	≤ 15mm.
Foot traffic	24 Hours
Grouting	8 hours on walls / 24 hours on flooring
Interval before normal use	7 days.
Temprature range of Application	+5° C to 35° C

Final characteristics

Shear adhesion after 28 days.	3.05 N/mm²	ANSI A 118.1
Tensile adhesion on concrete after 28 days	3.1 N/mm²	EN 1348
Adhesion after heat ageing	3.12 N/mm²	EN 1348
Adhesion after water immersion	1.10 N/mm²	EN 1348
Adhesion after freeze thaw cycle	1.05 N/mm²	EN 1348
Temperature range for application	From 40°C to 90°C	
Conformity	C2TES2 Type4/TS2	EN 12004 IS 15477:2019

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 approximately 65 sq. Ft for 20 kgs bag with 6mm x 6mm x 12mm square notch trowel 2.5 - 5 Kg/ M² 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.

Shelf Life & storage :

12 months with original packing in dry storage place.

DISCLAIMER The product information & application details given by the company & its agents has been provided in good faith & meant to serve only as a general guideline during usage. Users are advised to carry out tests & take trials to ensure on the suitability of products meeting their requirement prior to full scale usage of our products. Since the correct identification of the problems, quality of other materials used and the on-site workmanship are factors beyond our control, there are no expressed or implied guarantee / warranty as to the results obtained. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of our products.

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