

DESCRIPTION

PENECOAT™ CLEAR TILE PRIMER is a transparent, single component adhesion promoter, that chemically activates ceramic and glass surfaces, providing excellent adhesion to the coating that follows. Solvent based. Cures by reaction with ground and air moisture.

RECOMMENDED FOR

PENECOAT™ CLEAR TILE PRIMER is mainly used as an adhesion promoter (primer) for PENECOAT™ CLEAR transparent polyurethane coating, on non-absorbent glazed surfaces, like:

- ▶ Glazed ceramic tiles
- ▶ Glass
- ▶ Glass-brick walls, etc

ADVANTAGES

- ▶ Easy application (ready-to-use)
- ▶ Excellent anchoring to non-porous substrates
- ▶ UV stable
- ▶ Fast curing
- ▶ Degreases effectively the surface
- ▶ Low cost

DIRECTIONS FOR USE

Surface Preparation: The surface needs to be clean, dry and sound, free of any contamination, which may harmfully affect the adhesion of the coating. Remove all loosing materials. New concrete structures need to dry for at least 28 days. Maximum moisture content should not exceed 5%. Old coatings, dirt, fats, oils, organic substances and dust need to be removed by a grinding machine. Any loose surface pieces and grinding dust need to be thoroughly removed.

NOTE: Careful surface preparation is essential for optimum finish and durability. Do not wash surface with water.

Mixing: Stir PENECOAT™ CLEAR TILE PRIMER, thoroughly, using a mixing drill, prior to application.

Application: Prime (activate) non-absorbent glazed surfaces, with PENECOAT™ CLEAR TILE PRIMER. Apply PENECOAT™ CLEAR TILE PRIMER, by soaking a clean and dry cloth, and wipe the entire surface off. By this application procedure, you ensure, that, besides the chemical activation (priming) of the surface, the surface is getting also very effectively degreased. Change cloths often. Make sure that enough quantity of PENECOAT™ CLEAR TILE PRIMER is applied on the entire surface to be primed and make sure that you do not leave any untreated spots.

After approx. 1-2 hours, apply PENECOAT™ CLEAR, PENECOAT™ ELASTIC or other similar coatings.

NOTE: Apply PENECOAT™ CLEAR MAT FINISH, 12 hours after the last layer of PENECOAT™ CLEAR.

COVERAGE

50 - 80 g/m² (0,01 – 0,02 lb/ft²) applied in one or two layers.

This coverage is based on application by soaked cloth onto a smooth surface in optimum conditions. Factors, like surface porosity, temperature and application method, can alter consumption.

SPECIAL CONSIDERATIONS

For the best results, the temperature application and curing should be between 5 °C to 35 °C (41 °F to 95 °F). Low temperatures cause curing retardation, while high temperatures speed up curing. High humidity may affect the final finish.

PENECOAT™ CLEAR TILE PRIMER and PENECOAT™ CLEAR or PENECOAT™ ELASTIC must be applied on the same day, so as to achieve optimum bonding between layers.

A test application is highly recommended prior to application of PENECOAT™ CLEAR TILE PRIMER/PENECOAT™ CLEAR, on surfaces coated with silanes, siloxanes, silicones, or other hydrophobic materials, if quality and surface conditions are not well specified, due to expected low adhesion.

Hands and tools should be cleaned before polymerization, with the solvent PENECCLEANER™ A PLUS.

Contact PENETRON HELLAS S.A. for further information, regarding your project.

PACKAGING

PENECOAT™ CLEAR TILE PRIMER is available in 4 kg (9 lb) and 1 kg (2,2 lb) containers.

STORAGE / SHELF LIFE

PENECOAT™ CLEAR TILE PRIMER can be stored for 9 months in its original packing (unopened container) at 5 °C – 35 °C (41 °F – 95 °F) in a cool, dry place. Keep away from wet areas and direct sunlight.

SAFE HANDLING INFORMATION

Flammable. No smoking. Avoid skin and eye contact. If contact is made, flush areas with lots of water and seek medical advice. Protective gloves, mask and goggles should be worn. For further information please refer to Safety Data Sheet. PENETRON HELLAS S.A. has recently updated Safety Data Sheet on the safe use of PENETRON® products. Each Safety Data Sheet contains health and safety information for the protection of your employees and your customers. KEEP OUT OF REACH OF CHILDREN.

WARRANTY - DISCLAIMER

PENETRON HELLAS S.A. warrants that its products are manufactured under certified ISO Standard procedures, are of excellent quality and shall be free from material defects and contain all components in their proper proportion. Should any of the products be proven defective, the liability to PENETRON HELLAS S.A. shall be limited to replacement of the material proven to be defective, since the standard application procedures have been met and the suitability of the product for the particular application have been proven. PENETRON HELLAS S.A. makes no warranty as to merchantability of fitness for a particular purpose. User, after contacting the distributor of the product, shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith. While every care has been taken, the information provided in this product's data sheet make no part of any contract. All recommendations, technical data and test data contained in this product's data sheet are based upon the results of control laboratory tests or in actual field tests. However, PENETRON HELLAS S.A. makes no warranty of any kind, concerning this data. In any case, this data is given in good faith based in the PENETRON HELLAS S.A.

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CERTIFICATION



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PENECOAT CLEAR TILE PRIMER

Surface protection product – coating:

Protection against ingress [Method 1.3]

(Used with PENECOAT CLEAR

and PENECOAT CLEAR MAT FINISH)

Linear shrinkage: NPD

Coefficient of thermal expansion: NPD

Adhesion by cross-cut test: NPD

Permeability to CO₂: S_D>50m

Water vapour permeability: Class II: 5 m ≤ S_D ≤ 50 m

Capillary absorption and permeability to water: ω < 0,1
kg/m².h^{0,5}

Thermal compatibility: NPD

Resistance to thermal shock: NPD

Chemical resistance: NPD

Crack bridging ability: NPD

Adhesion strength by pull-off test: ≥ 1,5 (1,0) N/mm²

Reaction to fire: Class F

Slip / skid resistance: NPD

Behavior after artificial weathering: NPD

Antistatic behavior: NPD

Adhesion on wet concrete: NPD

Dangerous substances: According 5.3

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