PRODUCT DATA SHEET

PENESIL SILOX™

Version, Penetron Hellas 17.08.2026

PENETRATING WATER REPELLENT

DESCRIPTION

PENESIL SILOX™ is a transparent, deep penetrating, non- staining, non-yellowing, non film-making, one component siloxane/silane water repellent, on façades and walls. PENESIL SILOX™ is a highly effective and long-lasting water repellent with excellent UV resistance. Easy to clean. Cures by reaction with ground and air moisture.

RECOMMENDED FOR

- Marble
- Decorative bricks
- Absorbent ceramic tiles
- Karystos slates
- Limestone
- Wood
- Concrete
- Plasters and porous screeds
- Concrete stone
- Natural stone
- Fiber reinforced cement

ADVANTAGES

- Simple application (roller, brush, spray)
- Gives a constant hydrophobic effect to the surface, without changing the color or the appearance of the surface
- No film formation. Allows the surface to breathe
- Non-yellowing
- No weathering effect. Retains its mechanical properties in a temperature range from -30 ºC (-22 ºF) to 90 ºC (194 ºF)
- Freezing resistant
- Ensures long-lasting effect
- Protects the surface from water intrusion, smog, acid rain and waterborne chloride ion migration. It reduces contaminant ingression and surface corrosion.
- Resistant to bacteria and fungus
- Reduces efflorescence

TECHNICAL CHARACTERISTICS

Characteristics	Test Result	Test Method
Composition	Siloxane/Silane, solvent based	
Colour	Clear	
Resistance to water pressure	No leak (1m water column, 24h)	DIN 1928, Test A
Application Temperature	5 ºC to 35 ºC (41 ºF to 95 ºF)	Conditions: 20 ºC (68 ºF) 50% RH
Repaint time	1-2 hours	
Light pedestrian traffic time	12 hours	
Final curing time	7 days	

All data are average values obtained under laboratory conditions. Impractical use, temperature, humidity and absorption of the substrate may influence the above given values.

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 sealer. Maximum moisture content should not exceed 5%. Dirt, fats, oils, organic substances and dust need to be removed by mechanical grinding. Any loose surface pieces and dust need to be thoroughly removed. It is recommended to apply on a test area prior to application.

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

Application: Apply PENESIL SILOX™ by using a roller or an airless spray gun. Apply a flood coat to ensure the deep penetrating and the full saturation, which is needed for effective water repellence. Fully saturate all mortar joints. Apply the second layer after 1-2 hours, while the first layer is still damp. For surfaces with frequent contact with water and especially on floor surfaces, we recommend applying three layers of the PENESIL SILOX™.

NOTE: Stir well before use.

Coverage: 3 - 4 m^2/L per layer. Applied in two or three layers (consumption: 260 - 320 mL/m^2 per layer).

SPECIAL CONSIDERATIONS

The product is mainly applied to external absorbent surfaces as a water repellent protection. In case of indoor application, these areas should be well ventilated until the material is fully cured.

It is not recommended to be applied indoors in main living areas.

Careful compliance with the time margins is essential for an excellent result. Apply the product on a test area, to observe any deterioration or discoloration, prior to application.

For the best results, the temperature during application and cure should be between 5 ºC (41 ºF) and 35 ºC (95 ºF). Low temperatures retard cure, while high temperatures speed up curing. High humidity may affect the final finish.

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

PACKAGING

PENESIL SILOX™ is available in 1 L (0,23 gal), 5 L (1,14 gal) 13 L (2,95 gal) and 20 L (4,54 gal) containers.

STORAGE / SHELF LIFE

PENESIL SILOX™ has shelf life of maximum 18 months at 5 ºC – 35 ºC (41 ºF – 95 ºF), when stored in a dry enclosed area, away from direct solar radiation.

SAFE HANDLING INFORMATION

Flammable with a strong odor during application, but also until full curing. If contact with skin and eyes, 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 CHILDREND.

CERTIFICATION

CE

PENETRON HELLAS S.A.
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136 79 Acharnes, Greece
22
1128-CPR-10.09.0479
DOP NO: 14.026-49-01D160922-05
EN 1504-2
PENESIL SILOX
Surface protection product - hydrophobic impregnation:
Protection against ingress [Method 1.1]
Moisture Control [Method 2.1]
Increasing Resistivity [Method 8.1]
Depth of penetration: Class I
Water absorption and resistance to alkali
Absorption ratio compared with the untreated
Specimen: < 7,5%
Absorption ratio after immersion in alkali
Solution: < 10%
Drying rate for hydrophobic
Impregnation: Class I: >30%

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