PENTENS T-009

Water-based Silylated PMMA Coating

Product Data Sheet

Description

PENTENS T-009 is a PMMA - silylated polymethylmethacrylate resin-based coating of good hardness, adhesion, wear-resistant, scratch-resistant, UV-resistant, anti-corrosive sealer, primer and finishing for a wide variety of exterior and interior surfaces. PENTENS T-009 protects concrete structures from water, acid gases, chloride ions, sulphates and oxygen.

Uses

Interior / exterior surfaces including:

- All types of concrete structures
- Plaster
- Metal structures
- Stone
- Tile
- Viaduct
- Guideway

Areas of use are:

- Bonding agent / primer
- Clear / pigmented industrial floor coating
- Clear / pigmented sealer (mix with filler or aggregate)
- Clear / pigmented outdoor sports floor coating
- Clear / pigmented car park floor coating

Advantages

- Excellent adhesion to dry or wet inorganic substrate.
- High resistance to weathering and blistering.
- Excellent color retention.
- Extremely low VOC.
- Easy clean-up using water.

Technical & Physical Data

Appearance (mixed)	Brushable / rollable / sprayable uniform-coloured liquid
Finish	Glossy
Density (kg/ltr)	1.01
Solids Content(%)	> 50
Viscosity (Brookfield), (cP)	3000 (approx.)
Thinner	Water
Consumption Primer: Finish coat:	Approx. (Clear Coating) 0.2 kg/m² 0.15kg/m² per coat
Shelf Life	12 months when unopened / undamaged
Storage Condition	Store in a dry, cool place
Packaging Clear: Pigmented:	 18kg /pail 20kg /pail

Precautions for Use

- The application and drying temperature must be between 10°C to 35°C.
- Do not apply to heavy duty industrial floor.





Disclaimer. All representations and recommendations set forth are given in good faith and to the best of our knowledge. However due to varying conditions and applications, the buyer shall conduct its own tests of this product before use. Under no circumstances will the manufacturer be liable for any loss or damages caused by incorrect usages. The sale of this product shall be on terms and conditions set forth on Pentens order acknowledgement.

Instruction for Use

Surface Preparation

Surface must be clean, smooth, dry and free from wax, grease, oil, loose or peeling paint and other foreign materials.

Primer

For better permeability and workability, PENTENS T-009 must be mixed homogeneously with water at 1:3 ratio prior to application. Apply by using roller / brush / squeegee / spray equipment.

Clear Coating

Use diluted PENTENS T-009 as a primer and sealer coat, followed by two finishing coats.

Dilute PENTENS T-009 with pure water at 1:3 ratio homogeneously and apply on the prepared surface by using brush or lamb wool roller or spray equipment. The second coat may be applied as soon as the first coat has dried (typically 4 to 6 hours). The time will be affected by the type of surface and the ambient conditions.

Pigmented Coating

Use diluted clear PENTENS T-009 as a primer and sealer coat, followed by two finishing coats of pigmented PENTENS T-009. Apply on the prepared surface by using brush or lamb wool roller or spray equipment.

The second coat may be applied as soon as the first coat has dried (typically 4 to 6 hours). The time will affected by the type of surface and the ambient conditions.

PENTENS T-009 can be also added with fine silica sand to give an anti-slip surface.

Coverage

Primer: Approximately: 0.16 ~ 0.2 kg/m², depending on the porosity of the substrate.

Clear coating: Approximately 0.14 ~ 0.2 kg/m², depending on the porosity of the substrate.

Pigmented coating: Approximately 0.5 ~ 1 kg/m², depending on the porosity of the substrate.

Safety

PENTENS T-009 is non-toxic. For personal precautions, wear gloves and goggles when handling PENTENS T-009. In case of contact with eyes, rinse with clean water and seek medical advice if symptoms persist.

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