# 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 & finish for a wide variety of exterior and interior surfaces.

## Uses

Interior / Exterior applicable surfaces are including:

- Concrete
- Plaster
- Metal
- Stone
- Glass
- Tile

Areas of use are such as:

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

## Advantages

- Excellent adhesion to dry / 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 liquid in color |
| Finish | glossy |
| Density (kg/ltr) | 1.01 |
| Solids content (%) | > 50 |
| Viscosity (Brookfield), (cP) | 3000 (approx.) |
| Thinner | Water |
| Consumption<br>Primer:<br>Finish coat: | Approx.:<br>0.2 kg/$m^2$<br>0.15kg/$m^2$ per coat |
| Self life | 12 months when unopened / damaged |
| Storage condition | Store in a dry cool place |
| Packaging | 18 kg/pail |

## Precautions for use

- The application and drying temperature must be between $10^0$C and $35^0$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 of wax, grease, oil, loose or peeling paint, and other foreign material.

**Bonding agent / Primer**
For better permeability and workability, PENTENS T-009 must be mixed with water on 1:3 ratio homogeneously prior to application, Applied by using roller / brush / squeeze / spray equipment.

**Clear Coating**
Use diluted PENTENS T-009 as a primer & sealer, followed by two coats finish.
To dilute T-009 with pure water on 1:3 ratio homogeneously, and applied to 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 initially dried (typically 4 to 6 hours). The time will be dependent on the type of surface and the ambient conditions.

**Pigmented Coating**
Use diluted clear PENTENS T-009 as a primer & sealer, followed by two coats pigmented finish.
Or to mix clear T-009 with 5~10% compatible water-base pigment paste homogenous and applied to 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 initially dried (typically 4 to 6 hours). The time will be dependent on the type of surface and the ambient conditions.
PENTENS T-009 can be also added with fine silica sand to be an anti-slip surface.

**Coverage**
Bonding agent / Primer: Approximately 6~10 square meters per kg, depending on the porosity of the substrate.
Clear coating: Approximately 3~5 square meters per kg, depending on the porosity of the substrate.
Pigmented Coating: Approximately 1~2 square meters per kg, depending on the porosity of the substrate.

## Safety

PENTENS T-009 is non-toxic. For personal precautions, applicators are recommended to wear gloves and goggles when handling PENTENS T-009.

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