

PENTENS T-202

Ceramic Coating

Product Data Sheet



Description

PENTENS T-202 is a single component, water-based, ready-mixed, acrylic-based, coarse-textured decorative and protective finishing coat that can be applied over prepared concrete, masonry and steel structures.

Uses

- As a decorative and protective finishing coat for concrete, masonry, cement plaster and stucco
- Exterior and interior applications
- Wall, floor, overhead surfaces and RC gutters

Advantages

- Ready to use.
- UV resistance.
- Excellent adhesion and durability.
- Excellent weather resistance.
- Excellent abrasion resistance.
- Good impact strength.
- Good flexibility.
- Freeze-thaw resistant.
- Vapor-permeable.
- Water-resistant.
- Corrosion resistant.
- Easy to maintain.



Technical & Physical Data

Form	Thick Liquid
Color	White (Custom colors are available upon request)
Resin	100% Acrylic
Density	1.50 ± 0.1 kg/liter
Solid Content	>65% by weight
Elongation (CNS 3553)	>60%
Tensile Strength (CNS 3553)	>12 kgf/cm ²
Tear Strength (CNS 3559 Type B)	>10 kgf/cm ²
Adhesive Strength (Steel)(CNS 5606)	>4 kgf/cm ²
Adhesive Strength (Concrete)(CNS 10142)	>40 kgf/cm ²
Thermal Transmission (mean temperature: 30±5°C)(ASTM C518)	<0.12 W/m ² K
Solar Reflectance Index (SRI) - at 0.12 W/m ² K	110
Reflectance (%)	87.5
Thermal Emittance	0.84
Touch Dry	1 to 2 hours
Recoat Time	1 to 2 hours
Full Cure	5 days
Application Temperature	5°C to 40°C
Service Temperature	0°C to 80°C
Shelf Life	At least 1 year when unopened and undamaged
Storage Condition	Store in a dry, cool place
Packaging	16kg /pail

Important Notes

1. Minimum ambient and substrate temperature is 5°C during application and drying period.
2. Once applied, the working time is up to 20 minutes depending on application methods, tools, ambient temperatures and surface conditions.
3. Protect installed product from rain, freezing and continuous high humidity until it is completely dry.

Green Label Test Data

Heavy Metals:

(EPA 3025 / EPA 6010B : ICP)

a. Cadmium (Cd)	Not Detected
b. Lead (Pd)	Not Detected
c. Total Chromium (Cr)	Not Detected
d. Mercury (Hg)	Not Detected

Volatile Organic Compounds
(ISO 11890-2) (g/L) 0.13

Total Halogenated Organic Solvent
(ISO 11890-2) (%) Not Detected

Total Aromatic Organic Solvent
(ISO 11890-2) (%) Not Detected

Epichlorohydrin
(ISO 11890-2) (%) Not Detected

N-Methyl Pyrrolidinone
(ISO 11890-2) (%) Not Detected

Formaldehyde
(High Performance Liquid
Chromatography) (%) Not Detected

Alkyl Phenol Ethoxylate
(LCMS-MS) (%) Not Detected

Flash Point
(ASTM D3828-07a) (°C) >61

Consumption:

Primer: 1 x coat of Pentens T-007@0.2kg/m²/coat

Finished coat: 2 x coats Pentens T-202@0.75kg/m²/coat

Actual coverage may vary depending on substrate's texture and porosity.

Notes:

On areas exposed to hot drying winds, 2 to 3 thin coats of paint may work better than 1 thick coat.

Cleaning:

Tools and equipment can be easily cleaned with clean water immediately after use. Hardened material can only be mechanically removed.

Safety

PENTENS T-202 is non-toxic. For personal precautions, wear gloves and goggles when handling PENTENS T-202. If contact with eyes occurs, rinse immediately with clean water and seek medical advice if symptoms persist.

Instruction for Use

Surface Preparation

All the substrate surfaces must be clean, free from grease, oil and laitance. Remove all dirt and contaminants which might affect adhesion.

Mixing

Re-stir the mixture before use.

Adjust mix, if necessary, by adding a small amount of clean water to achieve the desired homogenous texture.

Application

PENTENS T-202 is meant to be applied as a two-coat system. PENTENS T-202 can be installed with conventional airless spray equipment, brush or roller. Back-rolling after spraying is strongly recommended to achieve uniform texture and film thickness.

PENTENS



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