

Description

PENTENS T-202 is a single component, water-based, ready mixed, acrylic based, coarse textured decorative and protective coating finish over prepared concrete, masonry and steel structures. Pentens T-202 has high Solar Reflectance Index (SRI) and high Thermal Emittance can reduce surface temperature of a structure.

Uses

- As a decorative and protective finish coat of concrete, masonry, cement plaster, stucco and PENTENS Thermal Insulation System
- Exterior and interior applications
- Wall, floor, overhead surfaces

Advantages

- Ready to use
- 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	Grey, white, green, etc. 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
Adhesive Strength (ASTM D4541-09)	14.8 kgf/cm ²
Reflectance	>87 %
Absorbance	<10 %
Thermal Emittance	>0.8
Thermal Transmission (mean temperature : 30±5 ⁰ C)(ASTM C518)	< 0.12 W/m · K
Touch Dry	1 to 2 hours
Recoat time	2 to 4 hours
Full cure	5 days
Application Temperature	5°C to 40°C
Service Temperature	0°C to 80°C
Self Life	At least 1 year when unopened and damaged
Storage condition	Store in a dry cool place
Packaging	20 kg pail

Important Notes

- Minimum ambient and substrate temperature is 5°C during application and drying period.
- Do not apply on weather exposed horizontal areas or where immersion in water may occur.
- Once applied, the working time is up to 20 minutes depending on application methods, tools, ambient temperatures, and surface conditions.
- Protect installed product from rain, freezing, and continuous high humidity until completely dry.

Instruction for Use

Surface Preparation

All the substrate surfaces must be clean, free from grease, oil, laitance, and remove all the dirt and contaminants, which might affect adhesion. The impurity outside the structure body should be cleaned thoroughly.

Mixing

Re-stir the mixture **before use**.

Adjust mix if necessary by adding a small amount of clean water to achieve the desire textured finish.

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. Backrolling after spray application is strongly recommended to achieve uniform texture and film thickness.

Consumption

On concrete roofs: $0.2\sim0.25\text{kg/m}^2$

On facade/vertical: $0.15\sim0.2\text{kg/m}^2$

Actual coverage may vary depending on substrate texture and porosity.

Note

1. Primer is required in areas of extremely high infiltration for better bonding.

Cleaning

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

Safety

PENTENS T-202 is non-toxic. For personal precautions, applicators are recommended to wear gloves and goggles when handling PENTENS T-202.

