

Pentens® T-202

Solar Reflective Ceramic Coating

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.

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

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.

TECHNICAL & PHYSICAL DATA

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| Form | Thick Liquid |
| Color | White |
| Resin | 100% Acrylic |
| Density | 1.50 ± 0.1 kg/liter |
| Solid content | >65% by weight |
| Elongation (ASTM D412) | >60% |
| Tensile Strength (CNS 3553) | >12 kgf/cm ² |
| Tear Strength (CNS 3559 Type B) | >10 kgf/cm |
| 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. 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 | 16 kg/pail |

Product Data Sheet
Pentens® T-202

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

COVERAGE

- On concrete roofs: 1~1.5kg/m²/per coat
- On facade/vertical: 0.5~1kg/m²/per coat

Actual coverage may vary depending on substrate texture and porosity.

NOTE

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

On areas exposed hot drying winds. 2 to 3 thin coats of paint may be more successful than 1 thick coat..

CLEANING

Tools and equipment just can be clean with clean water immediately, after use. Hardener 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.

IMPORTANT NOTES

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

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