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 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

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 (Steel)(CNS 5606)	>4 kgf/cm^2
Adhesive Strength (Concrete)(CNS 10142)	>40 kgf/cm^2
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^{o}C to 40^{o}C
Service Temperature	0^{o}C to 80^{o}C
Self Life	At least 1 year when unopened and damaged
Storage condition	Store in a dry cool place
Packaging	16 kg pail

Important Notes

- Minimum ambient and substrate temperature is 5^{o}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.

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
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: 1~1.5kg/m^2/per coat
On facade/vertical: 0.5~1kg/m^2/per coat

Actual coverage may vary depending on substrate texture and porosity.

Note
1. Primer is required in areas of extremely high infiltration for better bonding.
2. 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. 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.

T-202 System - Video Application
Link: https://www.youtube.com/watch?v=y-pHmuxOQes

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