

Description

PENTENS T-201, is a high quality one-component elastomeric waterproofing coating, in an acrylic emulsion base, intended for the protection and decoration of above ground concrete and masonry surfaces. It is also finishing for all types of roofs and facades.

Uses

- PENTENS T-201 is formulated to be applied as a waterproof and decorative coating on all horizontal and slopped concrete roofs, asbestos-cement surfaces, metals, bricks, wood, and defective asphalt.
- PENTENS T-201 also can be used as a coating for building facades and several types of concrete, concrete block, brick and stucco structures and retaining walls.

Advantages

- Completely waterproof
- Excellent elastic regain
- Flexible at low temperatures
- Superb adhesion to all sound roofing surfaces
- Outstanding exterior durability UV light, infra-red and ozone resistance
- High resistance to dirt pickup hence long term reflectivity and lower air-conditioning costs
- Low toxicity and odor
- Low moisture-vapor transmission
- Excellent film integrity
- Easy application
- Easy cleaning
- Pedestrian properties of the roofing membrane

Technical & Physical Data

Form	Liquid
Color	Grey, white, green, yellow, etc.
Resin	Acrylic
Density	1.20 ± 0.1 kg/litre
Solid content	>60% by weight
Elongation (ASTM D412)	>200%
Tensile Strength (ASTM D412)	>13 kgf/cm ²
Tear Strength (ASTM D624)	>10 kgf/cm
Aging Test (80 ⁰ C, 168hrs) ASTM D573-04	
a. Tensile Strength	>20 kgf/cm ²
b. Elongation	>190 %
c. Tear Strength	> 18 kgf/cm
Water Vapor Transmission (Perms) ASTM E96 Method B	<4
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	20kg pail 200kg drum

Important Notes

1. Minimum ambient and substrate temperature is 5°C.
2. Apply only to clean, sound substrates where surfaces should be well dampened but free of surface water and leaks.
3. Thoroughly agitate contents before use.

Instruction for Use

Surface Preparation

Ensure that the surface to be treated is free from any loose particles, dust, oil, dirt, extra cement blocks and especially sand.

Clean a second time, using a soft broom or a vacuum cleaner, to make sure that the surfaces are absolutely dust free.

Priming

Apply one coat of diluted PENTENS T-007 (1 portion of T-007 with 3 portions of water) by roller, brush or spray gun.

When applying on a defective bitumen layer use $0.1\text{kg}/\text{m}^2$.

For concrete surfaces use $0.2\sim 0.3$ per m^2 .

Note: It is advised for a heavy duty and long lasting application to lay special fiber PENTENS W-015 on the surface to be treated. This fiber can be applied on the pre-existing cracks only.

Application

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

PENTENS T-201 is suggested to apply at least 2 coats. The first coat should be applied in one direction only. If possible the second coat should be applied at right angles to the first. Leave to cure for approximately 8 hours before applying second coat. PENTENS T-201 can be installed with conventional airless spray equipment, brush or roller.

In case of using PENTENS W-015 fiber layer, paint T-201 in one direction to avoid bubbling of the fiber.

Consumption

On concrete roofs: $1\text{kg}/\text{m}^2$ /per coat

On facade/vertical: $0.5\sim 1\text{kg}/\text{m}^2$ /per coat

- $1.3\text{kg}/\text{m}^2$ per coat when PENTENS W-015 Glass Fiber Mesh is used.
- $1.0\text{kg}/\text{m}^2$ per coat when PENTENS W-015 Glass Fiber Mesh is not used.

For more details, please refer to our Technical Department.

Curing

Allow the coating to cure thoroughly before applying the next coat. Depending on temperature, humidity and wind conditions, normally 1~8 hours should be taken between two coats.

Note

The best method to assure good penetration of the first coat into the surface is by application with a nap roller. The succeeding coats may be spray or roller applied.

Cleaning

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

Safety

PENTENS T-201 is non-toxic. For personal precautions, applicators are recommended to wear gloves and goggles when handling PENTENS T-201. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, call for medical assistance immediately.

