

UV Resistant Elastomeric Waterproofing Coating

Description

PENTENS T-200 is a newly developed polyurethane acrylic copolymer waterproofing coating offering a hardness and durability. It resists ageing from heat, sunlight and ozone. It has excellent gas impermeability and toughness, and remains flexible at low temperatures. It is a warranted roofing product.

Uses

PENTENS T-200, which is one-part elastomeric cross linking latex copolymer emulsion designed as exposed waterproofing coating on:

- RC gutters and planter boxes.
- Floor slabs.
- Deck.
- Wood siding / Fences.
- External wall.
- Flat roof.
- Metal roof.
- Concrete structures.



Advantages

- Can resist to ponding water.
- Water based, environment friendly.
- Gas and oil resistant.
- UV Blockers.
- No blistering, cracking and peeling.
- Chemical resistant and waterproof.
- User friendly, suitable use on any surface.
- Can withstand foot traffic.
- Non-toxic.

Technical & Physical Data

Form	Liquid
Colour	Grey, white, green, etc
Resin	Polyurethane acrylic copolymer
Density	1.20 ± 0.1 kg/litre
Solid content	> 60% by weight
Elongation	> 240%
Tensile Strength (ASTM D412)	> 45 kgf/cm ²
Tear Strength (ASTM D624)	> 35 kgf/cm
Aging test at 80°C, 168 Hrs (ASTM D573-04)	
a. Tensile strength	> 50 kgf/cm ²
b. Elongation	> 140%
c. Tear strength	> 45 kgf/cm
Water Vapor Transmission ASTM E96 Method B (Perms)	< 5
Application Temperature	5°C to 40°C
Service Temperature	0°C to 80°C

Instruction for Use**Surface preparation**

Surface must be sound, dry and clean (free of dirt, gravel, pollution, mildew and all foreign material). Do not apply if any rain is imminent. Repair flashings and damaged areas. Cracks and old bitumen joints shall be repaired first. On existing surfaces must be thoroughly cleaned before applying **PENTENS T-200**.

Sweep and vacuum or power wash surface to remove dirt and dust. Cut out roof blisters and repair with acrylic embedded in polyester fabric or polymer concrete.

Remove mildew with sodium hypochlorite or other algaecide and rinse with Tack down curled, lifted seams flush with the surface, Fill any other gaps with silicon impregnated latex caulk. Any loose shingles should be gently lifted and glued down with roofing cement.

Priming

Substrate should be primed with a 1:3 mixture of PENTENS T-007 and water. Brush on at the approximate rate of 0.3 kg/m².

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

Application

PENTENS T-200 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 4-8 hours before applying second coat. **PENTENS T-200** can be installed with conventional airless spray equipment, brush or roller.

Curing

Allow the coating to cure thoroughly before applying the next coat. 4-8 hours of wait period, depending on temperature, humidity and wind conditions.

Precautions

- 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.
- Minimum ambient and substrate temperature is 5°C.
- Never apply more than 1 kg/m² of **PENTENS T-200** in one single layer.
- Apply only to clean, sound substrates where surfaces should be well dampened but free of surface water and leaks.
- Thoroughly agitate contents before use.

Packaging

- 20 kg/pail
- Color : White Grey Green

Coverage

- On concrete roofs : 1 kg/m²/coat
- On façade/vertical : 0.5-1 kg/m²/coat

*Actual coverage may vary depending on substrate texture and porosity.

*For more details, please refer to our Technical Department.

Shelf life / Storage Condition

12 months when unopened or damaged / Store in a dry cool place

Cleaning

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

Safety

PENTENS T-200 is non-toxic. For personal precautions, applicators are recommended to wear gloves and goggles when handling **PENTENS T-200**.



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 of damages caused by incorrect usages. The sale of this product shall be on terms and conditions set forth on Pentens order acknowledgement.

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