

PENTENS T-200PRO FIBER

Ultimate Elastic Acrylic Waterproofing Coating

Product Data Sheet

Description

PENTENS T-200PRO FIBER is a high quality one component with integral fiber reinforcement elastomeric waterproofing coating and styrene-acrylic copolymer waterproofing membrane. It cures to form a durable, weather resistant, seamless, UV stable waterproofing coating for exposed and internal area.

Uses

PENTENS T-200PRO FIBER which is one-part elastomeric with integral fiber reinforcement elastomeric waterproofing coating designed as exposed waterproofing coating on:

- Asbestos roof
- Toilet
- Balcony
- Metal or Zinc roofs
- RC gutters
- Floor slabs
- Concrete decks/roof
- External wall
- Flat roof
- Concrete structures

Advantages

- Resistant to cracking.
- High solar reflectance.
- Weather resistant.
- High elasticity.
- Able to absorb expansion and shrinkage movement without cracking.
- Environmentally Friendly.
- Easy application.
- Seamless.
- Adheres well over aged, galvanized and metal roofs, wood, asphalt or aluminum coatings, polystyrene foam insulation, polyester plastic panels, precast flat concrete and barrel cement tiles and many roofing materials.
- Non-toxic.

Technical & Physical Data

Form	Liquid
Color	White, Grey, Green & etc
Resin	Acrylic
Density (ASTM D792-13)	1.30g/cm ³
Solid content (CNS 10880-1:1994)	>65%
Elongation (ASTM D412: 06)	>150%
Tensile Strength (ASTM D412: 06)	2.2N/mm ²
Crack Bridging (ASTM C836/C836M-12)	>2mm
Solar Reflectance (White Colour) (ASTM C1549-09)	85%
Thermal Emittance (ASTM C1371-04(2010)e1)	0.80
Weather Resistance (ASTM G155-13)	No cracking
Curing Time	12 hours
Application Temperature	10°C to 40°C
Service Temperature	-10°C to 100°C
Shelf Life	At least 1 year when unopened and damaged
Storage condition	Store in a dry cool place
Packaging	5kg, 20kg/Pail

Important Notes

1. Minimum ambient and substrate temperature is 10°C.
2. Never apply more than 2kg/m² of PENTENS T-200PRO FIBER in single layer.

Instruction For Use

Surface Preparation

Surface must be sound, dry and clean (free of dirt, gravel, pollution, mildew and all foreign material). Apply if any rain is imminent. Repair flashings and damaged areas. Cracks shall and old bitumen joints shall be repaired first. On existing surfaces must be thoroughly cleaned before applying PENTENS T-200PRO FIBER.

Remove all gravel. The main reason of applying gravel on the roof was to protect the old surface from the sun's rays. Removing gravel will greatly reduce the weight load on the provide a firm surface for the new coating.

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.

Consumption

Primer : Pentens T-007 (0.2kg/m²)

Total thickness : 0.5mm-0.80mm

Total consumption : 1.00kg-1.20kg/m² (2 coats)

Application

Dilute 1 portion of PENTENS T-007 permeable primer with 3 portions of clean water and then plaster directly to the surface to be waterproofed, in order to improved the bonding.

PENTENS T-200PRO FIBER is suggested to apply 2 coats. Apply the first coat of PENTENS T-200PRO FIBER on the application surface. Leave to cure for approximately 8 hours before applying second coat. PENTENS T-200PRO FIBER can be installed with conventional airless spray equipment, brush or roller.

Over coating

After the primer, PENTENS T-200PRO FIBER can be applying directly provided with areas exposed hot drying winds. For indoor areas, it is recommended that allow approximately 30 minutes after the primer. (For more details, please refer to our Technical Department.)

Curing

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

Cleaning

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

Safety

PENTENS T-200PRO FIBER is non-toxic. For personal precautions, applicators are recommended to wear gloves and goggles when handling PENTENS T-200PRO FIBER. In case contact with eyes, flush immediately with clean water and seek medical assistance if symptoms persist.