

PENTENS T-250

Colorful Wear-resistant Surface Coating



Product Data Sheet

Description

PENTENS T-250 colorful wear-resistant surface coating is a specially formulated mineral based coating system of inorganic nature for both exterior and interior use. As a decorative and protective finish, PENTENS T-250 has outstanding durability. When applied correctly to a suitable backing, it will neither flake nor peel. What makes PENTENS T-250 durable is an acrylic-based resin and selected pigments to which are added mica, hollow ceramics, and fine hard aggregates, to ensure long life and special anti-slip properties. PENTENS T-250 also contains a biocide which combats bacterial and fungus growth.

Uses

PENTENS T-250 is suitable for application on to the following surfaces:

- Any indoor and outdoor ball court for tennis, basketball, badminton, hand ball, volleyball, squash, skate, in-line skate... etc.
- Dust-proof and wear-resistance floor of warehouse, parking yard.
- Metal roof for reducing heat.
- Protective coating for waterproofing materials.

Advantages

- Wear-resistance
- Heat resistance – thick application
- Vapor barrier
- Resistance to pollution attack - ideal for industrial and coastal areas.
- Good mechanical and chemical stability.
- Water based, environment friendly
- Air and UV protection
- Non-toxic.
- Prevention of ravages of acid rain, freeze-thaw, cycles, sunlight, bacteria and fungus.

Substrate Types

Provide good bonding to:

- Concrete, cement mortar, sand renderings
- Asphalt concrete
- Asbestos cement

Technical & Physical Data

Form	Liquid
Color	Grey, White, Green, Yellow etc (Other refer to color chart)
Solid content	>60% by weight
QUV Accelerated Weathering	No cracking
Curing Time	12 hours
Application Temperature	10°C to 50°C
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.



Instruction for Use

Surface Preparation

All surfaces must be sound, clean and grease, oil, curing compound and any foreign materials which will inhibit proper bond. Concrete should have a surface texture similar to a light broom finish. For old surface, ensure that loose and flaking materials are removed with a stiff bristle brush. Cracks and damaged area should be required and allowed to dry and harden prior to application of PENTENS T-250

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 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.

Application

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

After application of PENTENS T-007 permeable primer, PENTENS T-250 is suggested to apply 3 coats. Apply the first coat of PENTENS T-250 on the application surface. Leave to cure for approximately 8 hours before applying another coat. Depending on ambient conditions in the application area, PENTENS T-250 can be installed with conventional rubber squeegee, airless spray equipment, brush or roller.

Coverage: Approximately 0.16 Liter/m²/coat

Over coating

After the primer, PENTENS T-250 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 a minimum of one hour between 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.

Safety

PENTENS T-250 is non-toxic. For personal precautions, applicators are recommended to wear gloves and goggles when handling PENTENS T-250.

