

PENTENS T-250

Product Data Sheet

Acrylic Rubberize Sport Floor Coating

Description

PENTENS T-250 is a specially formulated waterborne styrene-butadiene emulsion for both exterior and interior use. As a decorative and protective finish, PENTENS T-250 has an outstanding durability. When applied correctly to a suitable backing, it will neither flake nor peel. What makes PENTENS T-250 durable is an butadiene-based resin and selected pigments to which are added mica and fine hard aggregates, to ensure long life. PENTENS T-250 also contains a biocide which combats bacterial and fungus growth. The surface texture can be controlled by using various amount of fine-graded sand with low abrasive feature to effectively control player's foot movement and offer perfect ball bounce. PENTENS T-250 is certified by International Tennis Federation (ITF) for Court Pace category 2.

Uses

- Any indoor and outdoor ball courts for tennis, basketball, badminton, etc.
- Dust-proof and wear-resistant floor for warehouses and parking yards
- Jogging tracks

Advantages

- Weather-proof.
- Wear resistance.
- 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:

- RC concrete
- Asphalt concrete
- Asbestos cement

Technical & Physical Data

Form	Liquid
Color	Blue, white, green, yellow, red etc
Resin	Acrylic
Solid Content	>60% by weight
QUV Accelerated Weathering	No cracking
Abrasion Resistance (ASTM D4060-07)	15.7mg/1000 cycles
Curing Time	12 hours
Application Temperature	-10°C to 50°C
Shelf Life	At least 1 year when unopened and undamaged
Storage Condition	Store in a dry, cool place
Packaging	20kg /pail 200kg /drum

Resin

Specific Gravity (25°C)	1.01kg/litre
Particle Size	175mm
Butadiene Content	40%

Top Coating Concentrate

Mix Polymer Emulsion (50% Non Volatile)	34.00%
Mineral Inert Fillers	23.00%
Miscellaneous Additives	2.50%
Water	38.00%
Emulsifiers/Suspension Add.	2.50%

Important Notes

1. Minimum ambient and substrate temperature is 5°C.
2. Never apply more than 1kg/m² of PENTENS T-250 in one single layer.
3. Apply only on clean and sound substrates. Surfaces should be well-dampened but free from surface water and leakages.

Instruction for Use

Surface Preparation

All surfaces must be sound, clean and free from grease, oil, curing compound and any foreign materials which will inhibit proper bonding. Concrete should have a surface texture similar to a light broom finished. For old surface, ensure that loose and flaking materials are removed with a stiff bristle brush.

Sweep and vacuum or power wash surface to remove dirt and dust. Cut out surface blisters and repair with acrylic embedded in polyester fabric or polymer concrete. Cracks and damaged areas should be repaired and allowed to dry and harden prior to application of PENTENS T-250.

Application

Dilute 1 portion of PENTENS T-007 permeable primer or 1 portion of PENTENS T-250 with 3 portion of clean water and then plaster directly to the surface in order to improve the bonding.

PENTENS T-250 should be applied in a minimum of 2 coats at 0.5kg/m²/coat. Apply the first coat of PENTENS T-250 on the application surface. Leave to cure for approximately 8 hours before applying second coat. PENTENS T-250 can be applied with conventional airless spray equipment, brush or roller.

If applied by using spray equipment, PENTENS T-250 should be thinned with 10% water. All windows, doors, gutter pipes, etc should be properly masked and all masking tapes should be removed before PENTENS T-250 is dry. Excess sprays and splashes should be removed immediately with clean water.

Over Coating

After the primer, PENTENS T-250 can be applied directly to protect the areas which are exposed to hot drying winds. For indoor areas, it is recommended to allow curing for approximately 30 minutes after the primer.

For more details, please refer to PENTENS Technical Department.

Curing

Allow a minimum of one hour curing time between each coat.

Consumption:

For AC Slab

First Filler Coat: 1x coat of PENTENS T-100H @ 0.40kg/m² + Silica Sand + Cement

Second Filler Coat: 1x coat of PENTENS T-100H @ 0.40kg/m² + Silica Sand + Cement

Finished Coat: 2 x coats of PENTEN T-250 @ 1.0kg/m²

For RC Slab

Pre-apply: PENTENS E-10 @ 0.3kg/m² broadcast with Silica Sand

First Filler Coat: 1x coat of PENTENS T-100H @ 0.40kg/m² + Silica Sand + Cement

Second Filler Coat: 1x coat of PENTENS T-100H @ 0.40kg/m² + Silica Sand Cement

Finished Coat: 2 x coats of PENTEN T-250 @ 1.0kg/m²

Note: The best method to ensure good penetration of the first coat into the surface is by applying with a roller. Subsequent coats may be sprayed or rolled.

Cleaning

Tools and equipment can be easily cleaned with water immediately after application.

Safety

PENTENS T-250 is non-toxic but impervious gloves and barrier cream should be used when handling these products. Eye protection should be worn. In case of contact with eyes, rinse with plenty of water and seek medical advice if symptoms persist.

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