

PENTENS T-100 PRO

Water-Based Bituminous PU Waterproofing Coating

Product Data Sheet

Description

PENTENS T-100 PRO is a single component, water-based bitumen PU emulsion containing fine aggregate, filler and fiber. PENTENS T-100 PRO is specially formulated to produce a tough, flexible, trafficable and durable bituminous film when dry.

Uses

- Bathrooms
- Terraces and balconies
- RC flat roof
- Retaining walls
- Suspended floors
- RC gutters and planter boxes
- Swimming pools and water features
- Driveway
- Basements and foundation
- Landscape area

Advantages

- Easy to apply.
- Superb adhesive strength.
- Excellent elongation.
- Good waterproofing properties.
- Capable of re-application.
- Non-flammable.
- High thermal stability.
- Extra aggregate/filler add-on-site possible.
- Chemical resistant to alcohol, most salt solutions, some dilute acids and some alkalis.

Technical & Physical Data

Form	Emulsion
Color	Dark Brown
Density	1.01 kg/liter
Solid Content (%)	approx. 55%
Elongation at break (%) (ASTM D 412-16)	>650%
Tensile Strength (ASTM D412-16)	> 3.0N/mm ²
Application Temperature	5°C ~ 40°C
Service Temperature	-10°C ~ 85°C
Full Dry Time	24 hours
Tack Free Time	30 - 60 mins
Overcoating	8 hours
Chemical Resistance (10% HCOOH, 60°C, 24hrs)	No changes on the surface of the sample.
Shelf Life	1 year when unopened and undamaged
Storage Condition	Store in a dry cool place
Packaging	18 kg/pail 5 kg/pail

Important Notes

1. PENTENS T-100 PRO is not resistant to oils, solvents and some detergent solutions.
2. Never apply more than 2mm (wet film thickness) in one single layer.
3. 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 the surfaces must be clean, free from grease, oil, laitance, and remove all the dirt and contaminants, which might affect adhesion. The impurity outside the structure body should be cleaned thoroughly.

Mixing

Generally is not required, PENTENS T-100 PRO can be used directly when you open the pail. For heavy duty application or area needs to be leveled, PENTENS T-100 PRO can be mixed with graded aggregate on site to achieve desired thickness.

Consumption

- Approx. 0.50-0.75 kg/m²/per Coat

Application

With brush, roller, trowel or spray method apply PENTENS T-100 PRO on the application surface.

For more details, please refer to our Technical Department.

Curing

For optimum performance, PENTENS T-100 PRO should be allowed to cure for 8 hours before the finishing concrete, tiles or subsequent coatings etc. During this time precautions must be taken in order to prevent damaging to the coating.

Cleaning

Tools and equipment can be cleaned with clean water immediately after use.

Safety

Impervious gloves and barrier cream should be used when handling these products. Eye protection should be worn. In case of contact with eyes, wash thoroughly with plenty of water and seek medical advice if symptoms persist. If contact with skin occurs, it must be removed before curing takes place. Wash off with an industrial skin clearer followed by plenty of soap and water. Do not use solvent. Ensure adequate ventilation when using these products.