

PENTENS T-100H

Bituminous Waterproofing Sealer

Product Data Sheet

Description

PENTENS T-100H is a single component and water-based bitumen emulsion. PENTENS T-100H is specially formulated to produce a tough, flexible, trafficable and durable bituminous film when dry.

Uses

- Used as a sealer on concrete structure, AC slab
- Reinforcement layer
- Corrosion protection
- Adjustment of level tolerance
- Blinder for sand or aggregate mixes to form a protective mastic on various surface

Advantages

- Easy to apply
- Superb adhesive strength
- Abrasion resistant
- 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	Black
Density	1.01 kg/liter
Solid content (%)	approx. 55%
Application temperature	5 ⁰ C ~ 40 ⁰ C
Service temperature	-10 ⁰ C ~ 85 ⁰ C
Full dry time	24 hours
Tack free time	30 – 60 mins
Overcoating	8 hours
Chemical Resistance (10% HCOOH, 60°C, 24 hrs)	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	20kg pail 200kg drum

Important Notes

1. PENTENS T-100H 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-100H can be used directly when you open the pail. For heavy duty application or area needs to be leveled, PENTENS T-100H can be mixed with graded aggregate on site to achieve desired thickness.

Consumption

- Sealer: approx. 0.75 kg/m²/per coat
- Screed: approx. 1.5 kg/m²/per 1mm thick

Note

1. Primer is required in areas of extremely high infiltration for better bonding.
2. When used as a screed application, never apply more than 2mm (wet film thickness) in one single layer.

Application

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

For more details, please refer to our Technical Department.

Curing

For optimum performance, PENTENS T-100H 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 just can be clean 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.