

PENTENS T-101

Water-Based Bituminous Protective Coating

Product Data Sheet

Description

PENTENS T-101 is a low viscosity blend of water-based bituminous specially formulated to produce a tough and durable bituminous film when dry. It is a single-component newly-developed polymer of MMA, natural rubber and polyurethane combined with asphalt and then modified and further emulsified to form an elastic waterproof membrane.

Uses

- Damp proof courses
- Suspended floors
- Terraces and balconies
- Corrosion protection for metal surface
- Bathrooms
- RC gutters and planter boxes
- Linings for tanks and pipes
- Under ground concrete protection
- Basements and fountains
- Retaining walls
- Lift pit walls

Advantages

- Easy to apply.
- Flexible.
- Chemical resistance.
- Single component.
- Superb adhesive strength.
- Can apply directly on damp or wet surfaces.
- Efficient protective coating.
- Abrasion resistance.
- Good waterproofing properties.
- Resistant to any bubbling or side osmosis.
- Unaffected even submerge in water for a long time.
- Capable of re-application.
- Quick drying.
- Non-toxic.

Technical & Physical Data

Form	Liquid
Colour	Black
Density (CNS 6986, CNS 6988)	1.02
Full Dry Time	24 hours
Tack Free Time	30 – 60 mins
Overcoating	8 hours
Tear Strength (kgf/cm ²) (CNS 6986, CNS 6988)	11
Chemical Resistance (10% HCOOH, 60°C, 24 hrs)	No changes in the surface of the sample
Shelf Life	1 year when unopened and undamaged
Storage Condition	Store in a dry, cool place
Packaging	5kg /pail 20kg /pail 200kg /drum

Important Notes

1. Minimum ambient and substrate temperature is 5°C.
2. Never apply more than 1 kg/m² of PENTENS T-101 in one single layer.
3. Apply only to clean and sound substrates. Surfaces should be well dampened but free from water and leakages.

Instruction for Use

Surface Preparation

All surfaces must be clean and free from grease, oil, laitance, dirt and contaminants which might affect adhesion.

Mixing

Mixing is generally not required but for smoother application, not more than 1kg of clean water can be added to 20kg of PENTENS T-101.

Coverage

- Waterproofing roof, bathrooms and kitchen: 0.75kg/m²/coat.
- Waterproofing planter boxes, balconies, swimming pool and basements: 0.8kg/m² per coat.

Note

1. PENTENS T-101 should be applied in minimum of 2 coats.
2. Primer is required in areas of extremely high infiltration for better bonding.

Application

Dilute 1 portion of PENTENS T-007 primer with 3 portions of clean water or 1 portion of PENTENS T-101 with 3 portions of clean water and then apply directly onto the surface to be waterproofed in order to improve the bonding.

Apply the first coat of PENTENS T-101 on the surface with brush, roller or spray. Leave to cure for approximately 8 hours before applying second coat.

Over coating

After the primer, PENTENS T-101 can be applied directly for areas exposed to hot drying winds. For indoor areas, allow approximately 30 minutes after the primer before applying PENTENS T-101. Allow approximately 8 hours of curing time between each coat.

For more details, please refer to PENTENS Technical Department.

Curing

For optimum performance, PENTENS T-101 should be allowed to cure for 24 hours before applying the finishing concrete, tiles etc. During this time, precautions must be taken in order to prevent damage to the coating.

Cleaning

Tools and equipment can be easily cleaned with water immediately after use. Hardened material can only be mechanically removed.

Safety

Impervious gloves and barrier cream should be used when handling these products. Eye protection should be worn. In case of contact with eyes, rinse immediately with plenty of clean 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 cleanser followed by plenty of soap and water. Do not use solvent. Ensure adequate ventilation when using these products.