

# PENTENS T-303

## Moisture Barrier

## Product Data Sheet



### Description

PENTENS T-303 is a two-component polymer, normal setting, damp-proof coating that can be applied directly to concrete, mortar or stone for sealing and leveling mortar (0.5 - 3.0 mm). It is also a moisture barrier, providing an ideal substrate for subsequent epoxy coating.

### Uses

As a sealing and leveling mortar, a pore sealer and as a damp-proof coating on concrete, mortar or stone surface like:

- Ground floor slabs and walls
- Concrete gutters
- Bathrooms
- Basements
- Retaining walls
- Lift pits

### Advantages

- Easy application.
- Excellent adhesion.
- Optimal pore sealer.
- Good chemical resistance.
- Increased frost and salt resistance.
- Resist carbon dioxide penetration.
- Waterproof, water vapor permeable.
- For internal and external use.
- Non-toxic.
- Slightly flexible.
- Can be applied over new concrete (after 3 days of curing).

### Technical & Physical Data

Color (mixed)	Grey
Mixing Ratio (by weight)	Comp. A:B=10:25
Pot Life (25°C)	30 minutes
Mixed Density	2.0 kg per liter
Bond Strength on Concrete (sandblasted)	15 kgf/cm <sup>2</sup>
Elongation	30%
Index of Resistance	
To Diffusion of Water Vapor ( $\mu\text{H}_2\text{O}$ ):	850
To Diffusion of Carbon Dioxide ( $\mu\text{CO}_2$ ):	34000
Water Absorption Coefficient A	0.03 kg/m <sup>2</sup> ×h <sup>0.5</sup>
Permeability	
Positive Water Pressure	15 bar
Negative Water Pressure	3 bar
Application Temperature (°C)	5 to 35
Service Temperature (°C)	5 to 50
Shelf Life	12 months in unopened, original containers
Storage Condition	Store in a dry, cool place
Packaging	A: 10kg /pail B: 25kg /bag

## Instruction for Use

### Surface Preparation

Concrete or mortar substrate must be sound and clean, free from grease, oil, wax, laitance and loosely adhering particles.

Dilute 1 portion of PENTENS T-007 primer with 3 portions of clean water and then apply directly to the surface. Allow 30 minutes to dry.

### Mixing

Add PENTENS T-303B (25kg powder) gradually to PENTENS T-303A (10kg resin) and mix thoroughly until they blend completely with cement compound. Use mixture within 30 minutes.

### Application

Apply first and finishing coat of T-303 to the construction surface by using brush, roller or spray. The time interval between coats shall be 4-8 hours. Ensure that the first layer of coating is dry and formed as membrane before applying the finishing coat.

### Consumption

Primer: PENTENS T-007@0.2kg/m<sup>2</sup>

Finished Coats: PENTENS T-303

- 1mm/1.2kg/m<sup>2</sup>
- 2mm/2.4kg/m<sup>2</sup>
- 3mm/3.6kg/m<sup>2</sup>

### Curing

For optimum performance, PENTENS T-303 should be allowed to cure for 12 hours before applying the finishing concrete, tiles etc and 24 hours before the epoxy coating. During this period of 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

As PENTENS T-303 may cause irritation, wear gloves and goggles when using it. In case of contact with eyes, rinse immediately with clean, warm water and seek medical advice if symptoms persist.

