T-303
Moisture Barrier

Pentens® T-303 is a two-component, normal setting, damp-proofing coating incorporates 2 polymer components. Apply directly to concrete, mortar or stone as 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 sealing and leveling mortar, a pore sealer and as a damp course on concrete, mortar or stone surface like:
- Floor slabs and walls
- Concrete gutters
- Bathrooms, Basements, Seawalls

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=2:5	
Pot life (25 °C)	30 minutes	
Mixed density	2.0 kg per liter	
Bond strength on concrete (sandblasted)	15 kg/cm^2	
Elongation	30%	
Index of resistance		
To diffusion of water vapor		(μH_2O): 850
To diffusion of carbon dioxide		(μCO_2): 34000
Water absorption coefficient A	0.03 kg/m^2×h0.5	
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: 10 kg/pail B: 25 kg/bag	

INSTRUCTION FOR USE

SURFACE PREPARATION
Concrete or mortar substrate must be sound and clean, free from grease, oil and loosely adhering particles. Oil or wax containing layers, as well as laitance must be completely removed.
Dilute 1 portion of Pentens® T-007 primer with 3 portion of clean water and then apply directly to the surface. Allow 30 minutes to dry.

MIXING
Add Pentens® T-303B (25kg powder) gradually to the Pentens® T-303A (10kg resin) and mix thoroughly until it blends completely with cement compound. Use mixture within 30 minutes.

APPLICATION
Apply or plaster first and finish coat of Pentens® T-303 to construction surface by using brush, roller of spray method. The time interval between coats shall be 4-8 hours, and make sure that the first layer of plastering has been dried and formed as membrane.

LAYER THICKNESS
Minimum 0.5 mm, maximum 3 mm, isolated small areas up to 5 mm.

CURING
For optimum performance, Pentens® T-303 should be allowed to cure for 12 hours before the finishing concrete, tiles etc, 24 hours before the epoxy coating. During this time precautions must be taken in order to prevent damaging to the coating.