

Description

PENTENS T-007 – 100% acrylic cement modifier is based on a proven 100% acrylic polymer design to improve the chemical, corrosion, moisture and salt resistance of cement renders. It is superior to more common PVA and SBR based modifiers because of its superior durability and resistance to hydrolysis. It has been specifically formulated for use in highly alkaline cement environments. Cement based mortar/slurry with PENTENS T-007 added will adhere to a wide range of materials such as metals, timber, insulation foams as well as new and old concrete.

Uses

Not only used as the waterproofing primer, clear waterproof coating, but also used as an additive in cement mortars, renders, patching / repair work, GRC panels, and waterproof cementitious coatings.

Areas of application include:

- New and old concrete bonding agent.
- Slurry coat prior to tiling on waterproofing membrane for enhanced bonding.
- Angle fillet and patching mortar on masonry and concrete structures.
- Repairs and resurfacing of factory floors, driveways
- Multi-purpose adhesive

Advantages

- Increases durability of concrete and mortars
- Waterproof
- Suitable for use in contact with drinking water
- Resists acids, alkalis, fats & oils
- Increases abrasion resistance
- Increase tensile, flexural, impact & compressive strengths
- Can be applied in thin coats
- Excellent UV durability
- Promotes adhesion superior to PVA's & SBR's

Technical & Physical Data

Appearance	Milky emulsion
Density (kg/ltr)	1.01
Solids content (%)	> 45
Viscosity (Brookfield), (cP)	3000 (approx.)
Thinner	Water
Shelf Life	1 year when unopened and undamaged
Storage Condition	Store in a dry cool place
Packaging	20kg pail 200kg drum

Specifications for Mix Recommendation

Primer (0.3kg/m²)

PENTENS T-007:	1 L
Water:	3 L

Clear waterproof coating (0.5kg/m²/coat)

PENTENS T-007:	1 L
Water:	1 L

Bonding slurry (0.5~1mm)

PENTENS T-007:	1 L
Water:	1 L
Portland cement:	2 kg

Waterproof render (3~10mm)

PENTENS T-007:	4 L
Water:	16 L
Portland cement:	50 kg
Silica sand (AG3):	150 kg

Angle fillet / Patching mortar (10~50mm)

PENTENS T-007:	3 L
Water:	15 L
Portland cement:	50 kg
Silica sand (AG3):	150 kg

Light duty flooring screed (3~5mm)

PENTENS T-007:	10 L
Water:	20 L
Portland cement:	50 kg
Aggregate (AG1):	150 kg

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.

- Substrate should be primed with a 1:3 mixture of PENTENS T-007 and water.
- Brush on at the approximate rate of 0.3kg/m^2 .
- Allow to become tacky then apply topping.
- For porous surfaces prime with a slurry coat (refer Specifications for mix recommendation).

Application

Apply concrete and mortars as per normal practice.

Cleaning

Tools and equipment to be cleaned with 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 cleaner followed by plenty of soap and water. Do not use solvent. Ensure adequate ventilation when using these products.

