

# PENTENS LATEX 108

## Multi-function Bonding Agent

## Product Data Sheet

### Description

PENTENS LATEX 108 is a one-component acrylic-based liquid resin mixed with normal Portland cement mortar or white cement which is used as flexible adhesive, patching mortar, base coat etc.

### Uses

PENTENS LATEX 108 can only be applied to sound, clean, dry, well-prepared and frost-free surfaces. After mixing with cement, it may be used:

- As a base coat for floor screeds
- As a flexible adhesive for tiling and glazing
- As a flexible patching mortar
- As a concrete repair mortar
- As an abrasion-resistant lining

### Advantages

- Easy to use.
- Excellent adhesion and durability.
- Crack resistance.
- Good flexural strength.
- Good impact strength.
- Freeze-thaw resistance.
- Vapor permeable.
- Low alkalinity.
- Excellent water resistance.

### Technical & Physical Data

Form	Liquid
Color	Milky white
Density (CNS 6986, CNS 6988)	1.02
Mixing Ratio : (by weight)	
Latex 108	1
Cement	1
Working Time (at 25°C)	40 minutes
Dry Time (at 25°C)	6 hours
Curing Time (at 25°C)	24 hours
Bond Strength on Concrete (7 days)	10kgf/cm <sup>2</sup>
Bond Strength on Polystyrene Board (7 days)	2.0kgf/cm <sup>2</sup>
Shelf Life	1 year when unopened and undamaged
Storage Condition	Store in a dry, cool place
Packaging	4L /pail 18L /pail

Note: Consumption may vary depending on surface conditions and application technique.

### Important Notes

1. Minimum ambient and substrate temperature is 5°C.
2. Apply only to clean and sound substrates.

### Green Label Test Data

Total Volatile Organic Compounds	Non-detected
Total Aldehydes	Non-detected
Formaldehyde	Non-detected
4-phenylcyclohexene	Non-detected
Phthalates	Non-detected
Alkylphenolethoxylates	Non-detected
Halogenated Solvents	Non-detected

### Instruction of Use

#### Surface Preparation

**Substrates:** All substrate surfaces must be clean, free from grease, oil, laitance, dirt and contaminants which might affect adhesion. It is recommended to give substrate a rough or light-broom finish for better bonding strength.

**Insulation board:** Insulation board must be well-protected, clean, dry and free from all bond-inhibiting materials and rasped if necessary before installation.

#### Mixing

PENTENS LATEX 108 should be mixed thoroughly with normal Portland cement or white cement by using a low speed electrical or pneumatic power stirrer. Mixing time is minimum 3-4 minutes until a homogeneous mix is achieved.

#### Mixing Ratio:

PENTENS LATEX 108 : 1  
Cement : 1

Adjust mix if necessary by adding a small amount of clean water to achieve the desired texture finishing. Avoid re-tempering after mixing the product.

#### For Tile Adhesive (TA-Bond 888) :

PENTENS LATEX 108 : 7L-8L  
TA-BOND 888 : 25kg

### Cleaning

Remove unhardened PENTENS LATEX 108 from tools and equipment with water immediately after use. Hardened material can only be removed mechanically.

### Safety

Wear rubber gloves and goggles when using the material. If the material gets into the eyes, rinse immediately with clean water and seek medical treatment if irritation persists.



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