

PENTENS AD-BOND LATEX

Latex Additives Waterproofing

Product Data Sheet

Description

PENTENS AD-BOND LATEX is a one-component, copolymer of styrene, being modified from MMA and butadiene. When added to cement and mortar, it will permeate in to the gap between cement and its aggregate that will create finer texture in cement and mortar to further enhance waterproofing.

Uses

PENTENS AD-BOND LATEX can only be applied to sound, clean, dry, well-prepared and frost-free surfaces.

- 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, only mix with cement on site.
- Excellent adhesion and durability.
- Crack resistance.
- Good flexural strength.
- Good impact strength.
- Freeze-thaw resistance.
- Vapor-permeable.
- Excellent water resistance.

Technical & Physical Data

Form	Liquid
Colour	Milky White
Density (CNS 6986, CNS 6988)	1.03-1.05
Mixing Ratio (by weight)	
Ad-Bond Latex	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)	14kgf/cm ²
Bond Strength on Polystyrene Board (7 days)	3.0kgf/cm ²
Shelf Life	1 year when unopened and undamaged
Storage Condition	Store in a dry, cool place
Packaging	4L /pail 20L /pail

Important Notes

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

Instruction for 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 AD-BOND LATEX 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 AD-Bond Latex : 1

Cement : 1

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

For Tile Adhesive (TA-Bond 888) :

Pentens AD-Bond Latex : 7L-8L

TA-Bond 888 : 25kg

Cleaning

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

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 cleanser followed by plenty of soap and water. Do not use solvent. Ensure adequate ventilation when using these products.