

TECHNICAL DATA SHEET

CMENT LATEX

Description

CMENT LATEX is a Styrene-Butadiene latex emulsion widely used as an additive to enhance the mechanical properties of cement and mortar.

Scope of Application

- Bonding agent for old and new mortar or concrete
- Waterproof plaster for vertical or horizontal surfaces and masonry
- Repair mortar for ceilings, walls, columns, and floors
- Additive for tile adhesive and joint filler
- Additive for protective coatings to reinforce steel against corrosion

Key Features

- Improves tensile, compressive, and flexural strength
- Enhances adhesion and slip resistance
- Increases abrasion and impact resistance
- Improves chemical resistance
- Reduces shrinkage and minimizes cracking during drying
- Improves waterproofing and moisture resistance
- Non-re-emulsifiable after drying

Physical Properties

Property	Description
Appearance	Liquid
Color	Milky white, non-separating
Density	1 – 1.02 kg/L
pH value	8 - 9
Flammability	Non-flammable
Toxicity	Non-toxic
Packaging	5L & 25L
EXP	12 months (unopened)
Storage	Store in a cool, dry, and well-ventilated place at 5 °C – 35 °C Protect from moisture and direct sunlight Wipe dust off the container lid before opening Do not return used or contaminated material back into the container Keep container tightly closed when not in use

NIPPON PAINT (VIETNAM) CO., LTD

No. 14, Street 3A, Bien Hoa II Industrial Zone, Long Hung Ward, Dong Nai Province, Vietnam
Tel.: (84).251.3836579 – 3836586, Fax: (84).251.3836346 – 3836349

www.nipponpaint.com

CMENT LATEX

APPLICATION INSTRUCTIONS

Surface Preparation

- The concrete substrate must be clean, sound, and free from oil, grease, cement laitance, mortar residues, and other contaminants.
- Fill all cracks and voids on the surface before application.

Mixing

- Gradually add liquid into the dry mix and stir thoroughly until a uniform, lump-free mixture is obtained.

Mixing Formula

- Bonding agent:

1 liter of **CMENT LATEX** mixed with 2–3 kg of cement. Clean sand may be added to improve roughness and bonding strength.

- Repair mortar or waterproof plaster:

1 liter of **CMENT LATEX** diluted with 2–3 liters of clean water = liquid component.

Mix 1 part cement + 3 parts clean sand = dry component (sand must be well-graded and free from impurities and silt).

Application

- Bonding concrete:

Brush a bonding slurry made with **CMENT LATEX** onto the old concrete surface, then apply new concrete while the bonding layer is still tacky.

- Repair or waterproof plaster:

Brush a bonding slurry made with **CMENT LATEX** onto the substrate, when it becomes tacky, immediately apply mortar with additives to the bonding layer, then compact and finish the surface.

Precautions

- For large areas, divide the surface into smaller sections for easier application.
- The bonding slurry must be applied before it dries.
- Protect the mortar surface against rapid drying caused by temperature, direct sunlight, or wind to prevent shrinkage cracks.

Cleaning

Clean all tools and equipment immediately after use with clean water.

Health & Safety

- Apply in well-ventilated areas.
- Keep out of reach of children.
- Wear gloves, masks, and suitable protective equipment.
- Avoid contact with skin and eyes:
 - In case of eye contact: rinse immediately with plenty of clean water for at least 10 minutes and seek prompt medical advice.
 - In case of skin contact: wash thoroughly with soap and clean water.

Notes

The above information applies to the product under specified test conditions. Since actual application conditions are beyond our control, this information should be regarded as general guidance only. For detailed instructions, please contact the Customer Support Department of Nippon Paint Viet Nam. We reserve the right to revise the technical data sheet without prior notice.

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