

Sino-Sina Building Materials Co., Ltd

Neoprene Latex Mortar - Anti-Corrosion Repair Mortar Technical Data Sheet

Product Description

Neoprene Latex Mortar is a flexible, polymer-modified repair mortar incorporating neoprene latex for enhanced anti-corrosion properties. It is ideal for repairing and protecting concrete in harsh environments, offering superior flexibility and chemical resistance.

Applications

- Repairing marine structures, chemical storage tanks, and industrial floors.
- Anti-corrosion protection for reinforced concrete in aggressive environments.
- Flexible patching for cracks and joints in bridges and tunnels.
- Surface restoration where flexibility and waterproofing are required.

Features and Benefits

- High flexibility to accommodate movement and prevent cracking.
- Excellent corrosion resistance against chemicals, salts, and acids.
- Strong adhesion to concrete, steel, and other substrates.
- Waterproof and impermeable to moisture.
- Low shrinkage for durable, long-lasting repairs.
- Easy to mix and apply with good workability.

Technical Data

Typical values under standard conditions.

Cationic Neoprene Latex Properties

Test Items	Value
Appearance	Milky white uniform emulsion
Viscosity (applying 4 cups, 25°C, s)	12.0-15.5
Total Solid Content (%)	47-52
Density (g/m ³)	1.080
Storage Stability	5°C -40°C, no obvious precipitation in 3 months

Neoprene Latex Cement Mortar Properties

Test Items	Value
Compressive Strength (MPa)	20
Tensile Strength (MPa)	3.0
Bonding Strength (MPa)	1.2 with cement substrate; 2.0 with steel substrate
Impermeability Grade (MPa)	1.5
Water Absorption (%)	4.0
Applicable Temperature (°C)	60

Packaging and Storage

- Packaging: Component A (latex): 20kg/drum; Component B (powder): 25kg/bag.
- Shelf Life: 12 months in original, unopened packaging; store cool and dry.

Application Instructions

1. Surface Prep: Clean, remove loose material; dampen if needed.
2. Mixing: Blend A and B per ratio until smooth.
3. Application: Trowel to 3-10mm thickness; build layers for thicker repairs.
4. Curing: Keep moist for 24 hours; avoid traffic until cured.

Safety Precautions

Use protective gear. Avoid inhalation and contact. Ventilate area.

Contact Information

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