



HI-LATEX 45

Multi-Purpose Mortar & Screed Modifying & Bonding Agent for Repairs, Waterproofing

Advance German Chemical Technology

DESCRIPTION

HI-LATEX 45 is a styrene butadiene rubber emulsion specially crafted to serve as a bonding agent for cementitious systems. This milky liquid boasts versatility, making it ideal for various applications, including adding to cement slurry, concrete, mortar, cementitious grouts, floor topping bonding, repairing large cracks, damaged concrete, floor screeds, columns, beams, chhajjas, and waterproof plaster. It offers outstanding adhesion, waterproofing capabilities, and is soluble in water.

ADVANTAGES

Multi-Purpose Waterproofing and Repairs: HI-LATEX 45 excels as an admixture for brick koba and is perfect for waterproofing terraces, roofs, bathrooms, sunken areas, water tanks, and swimming pools. It's also highly effective for repairs and plaster work, brick masonry, and functions as a reliable bonding agent.

Polymer Mortar for Repairs: This product provides abrasion resistance and serves as a valuable admixture for injection grouting. It is a versatile polymer suitable for various applications, including large crack filling work.

Improved Elasticity and Flexibility: HI-LATEX 45 enhances the tensile strength of cement hardener and reduces cracks in mortar concrete. It can be diluted with water for added convenience.

Watertight Masonry Jointing and Plastering: It ensures impermeability to chlorides and other harmful chemicals, making it a dependable choice for masonry jointing and plastering.

APPLICATION

For Waterproof Plaster Mix:- 1 part HI-LATEX 45 : 4 parts Water : 10 parts Cement : 40 parts Sand

Masonry Brickwork Jointing Mix: 1 part HI-LATEX 45: 4 parts Water : 10 parts Cement : 60 parts Sand

Polymer Modified Repairing Mortar Mix: Ratio of 1 HI-LATEX 45: 3 Water : 10 Cement : 30 Sand. This is an excellent repair mortar for wall surface plastering.

Normal Plaster, Brick Masonry, Brick Koba: Add 200 ml HI-LATEX 45 per bag of cement.

Crack Filling Paste: Mix 1 kg HI-LATEX 45 with 10 kg white cement for filling up to 5mm cracks in internal walls. For external walls, apply a bond coat in a 1:1 ratio of HI-LATEX and cement on V-shaped cracks, then fill with polymer-modified repair mortar. Drying time is 4-6 hours.

Bonding Agent: Mix 1 part HI-LATEX 45 : 1 part Water : 4 parts Cement. Apply at a rate of 0.5 kg/m² per coat.

Repair Concrete & Screed Mix: Combine 1 part HI-LATEX : 4 parts Water : 1 part Cement : 1.5 parts Sand : 3 parts Gitti (aggregate).

Priming: Clean reinforcing steel with rust remover, dampen concrete surfaces, and prime with a slurry coat of 1 part HI-LATEX 45 : 1 part Water : 3 parts Cement. Mix well before use.

Injection Grouting: Use a mix of 1 part HI-LATEX : 8 parts water per bag of cement.

Waterproofing Mix :- 1 Part Hi-Latex 45 : 1.5 part fresh cement

Coverage for Waterproofing: 22-25 SQ FT/KG for two coats. Coverage varies based on surface porosity.

Traffic: Only light foot movement allowed.

PRODUCT DATA

Chemical: Styrene butadiene rubber emulsion (SBR)

Color & Appearance: White milky liquid, viscous

Solid Content: 45% ±2%

Viscosity at 23°C (Brookfield): RVT DV-1, spindle 3/100 rpm – 40 – 215m Pas

pH: 7.5 - 7.8

Density: 1.02 g/cm³

Thinability with Water: Freely miscible

Minimum Film Forming Temperature: 16°C

HI-LATEX 45

Multi-Purpose Mortar & Screed Modifying & Bonding Agent for Repairs

Advance German Chemical Technology

HEALTH & SAFETY PRECAUTIONS

Wear protective clothing, gloves, eye protection.
In case of skin contact, rinse with clean water.
In case of eye contact, clean immediately with clean water and seek medical advice.

PACKING

10 KG, 20 Kg.

STORAGE

Store in a cool dry place, unopened, sealed pack.
Keep away from direct sunlight, below 30°C.

SHELF LIFE

18 months

LIMITATIONS

Do not add HI-Latex 45 to the dry cement and aggregate mix.
Maintain the water-cement ratio as low as possible.
Do not exceed the recommended dosage of HI-Latex 45.

DISCLAIMER

The information and recommendations provided are based on SCT's current expertise and product knowledge. While offered in good faith, these suggestions are not a warranty for merchantability or fitness for a specific purpose. Users are responsible for testing product suitability and complying with local regulations. SCT is not liable for any legal relationships arising from this information or advice.

GUIDELINES

- Product Suitability: Users must test product suitability for their application, Results may vary based on factors such as materials, substrates, and environmental conditions.
- Regulations: Adhere to local regulations and guidelines during product use.
- Technical Support: Contact SCT's technical team for application guidance.
- Updated Information: Consult the latest local Product Data Sheet for accurate information.
- Your use of SCT Waterproofing Chemicals implies agreement with this disclaimer and guidelines. For success and safety, follow recommended procedures and consult as needed.

