

Core Latex

Bonding Agent for Concrete



Description

Construction chemical Core latex is a white styrene butadiene emulsion used to improve the properties of cement renders, screeds and mortars. It is also used in conjunction with Construction Chemicals Tanking Slurry as a priming coat or tight render basecoat. Used with Sulphate resistant cement it will resist the movement of salts with in wall.

- Adhesion improved.
- Flexural strength improved
- Tensile strength increased.
- Water impermeability reduced.
- Shrinkage reduced.
- Non corrosive to steel.
- Increased abrasion resistance.

Recommended Uses

- High strength for floor screeds.
- Patching and repair mortar.
- Thin section screeds.
- As a bonding bridge for renders and Waterproofing.
- Waterproof renders and screeds.
- Dust proofing
- Priming
- Tiling



SERVICES

Cementitious coating

Crystalling Coating

Addmixture

Sealant

Grout

Epoxy primer

Repair Mortar

Flooring

PU flooring

PU coating

Bitumen Coating

Latex

Waterstopper

Technical Data

Appearance Form:	Liquid	Flexural Strength:	(compared with +20% - 30% unmodified mortar)
Color:	White	Tensile Strength:	20 - 30
Solids content:	50% \pm 1%	Abrasion Resistance:	up to 2005
Application Temp Min:	+5°C	Density:	Approx. 1.01
		Bonding grout:	4M ² /L depending on surface and application technique
		Mortar:	See Mixing Table

Application Guidelines

Substrate Preparation

The substrate must be free of all oil, grease, existing sealers or other contaminants. All loose material should be removed, and a key provided using a scabbling machine or enclosed grit blaster. The surface should be well soaked with water prior to application of the bonding agent. Do not allow ponded water to remain on the substrate.

Mixing

Mix as per Mixing Table. Do not use neat Core latex as a bonding grout without adding cement. Maximum dilution of Core latex with the gauging water is 1:4. Free fall mixers are not suitable for Core latex mortars. Instead, use high-performance forced action paddle-type mixers for better efficiency and speed. For small quantities, a slow-speed drill with a paddle is ideal. Always keep the water/cement ratio to a minimum for correct workability and compaction. A W/C ratio of less than 0.4 is recommended.

Application

Thick screeds should be laid in 20mm layers, thoroughly compacted, and followed immediately by subsequent 20mm layers until the desired thickness is achieved. Mortar toppings should be finished with a wood float or steel trowel. Prevent rapid drying of Core latex mortars using polythene sheeting, damp Hessian, or concrete curing compounds. Use only sharp, clean, and washed sand. Maximum thickness per layer should be 40mm, laid and compacted in two layers. Ensure that hardened layers are mechanically "keyed", wetted, and grouted before adding additional layers. Renderings, floor toppings, etc., must be allowed to cure properly. If temperatures fall to 2°C or lower, protect the uncured mortar from frost. Do not over-mix Core latex mortars. Do not feather edge Core latex screeds.

After Treatment

Ensure the treated area is protected from heat, frost, and strong wind during application and for at least 24 hours afterwards.

Cleaning of Equipment

Clean all tools and mixing equipment immediately after use with clean water. Once cured, the material can only be removed mechanically..

The information contained in this brochure reflects our current knowledge and experience and is intended to assist designers, contractors and end users. It does not release the purchaser from carrying out their own tests and verifications to ensure the product is suitable for the specific application. All data presented are based on tests under normal laboratory conditions; actual values may vary on site. Recommendations are given in good faith but without warranty, as conditions beyond our control may affect product performance. Core Chemicals reserves the right to modify specifications without prior notice. The purchaser is responsible for ensuring the product is used in accordance with current standards and regulations. Our technical service team is available to provide guidance at any time.

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