



5005 Kalekim Latex

Description

Water dispersion of a synthetic elastomer for improving workability and water impermeability when mixed with cementitious mortars like renders, screeds, repair mortars and adhesive slurries.

Fields of Application

- As an admixture to improve flexibility, adhesion, water impermeability characteristics of cementitious mixes for screeds, renders, repair mortars, adhesive slurries.

Properties

- Improves adhesion to all surfaces
- Increases resistance to abrasion.
- Improves water impermeability.
- Improves flexibility.
- Increases resistance to freeze-thaw cycles.
- Increases chemical resistance to diluted acids and alkalis, salt solutions and oils.

Preparation of Substrates

- Surfaces must be cured.
- Surface must be clean, dry and free from oils, grease, residual paint and other loose material.
- The surface should be primed with Kalekim Astar (Primer) depending on the absorbency of the substrate before application.

Application

- Kalekim Latex should not be shaken much to prevent air entraining.
- Dilute Kalekim Latex with water in a suitable container with the ratio recommended below for specific applications.
- Pour the solution into the concrete mixer and add cement and the aggregates preferably mixed before in order to avoid lumps.
- Mix thoroughly till a homogeneous mixture is obtained.

Usage in renders:

- Mix cement: sand (at appropriate size) at ratio 1:4 - 1:5. Prepare solution with Kalekim Latex: water at 1:4. Add solution into powder mixture at appropriate amount.

Usage in repairing mortars:

- Mix cement: sand at ratio 1:3 - 1:4. Prepare solution with Kalekim Latex: water at 1:3. Add solution into powder mixture at appropriate amount.

Usage in screeds:

- Mix cement: sand at ratio 1:3. Prepare a solution with Kalekim Latex: water at 1:2. Add solution into powder mixture at appropriate amount until it reaches a thick consistency.
- Prepared mixture should be applied in 2 mm thickness with a brush on the floor. Screed should be applied on this layer when it is still wet.
- Screed mortar should be prepared by adding an appropriate amount of liquid mixture of Kalekim Latex : water mixed at 1:4 ratio into powder mixture of cement : sand mixed at 1:3- 1:4 ratio.

Post-Application Protection & Suggestions

- Dispose mortars with expired pot life.
- Clean tools and hands with water, surfaces with a damp cloth before setting begins.
- After application, in very warm or windy weather conditions the mortars made with Kalekim Latex as an admix must be cured carefully to avoid fast water evaporation, which could cause surface cracks due to plastic shrinkage.
- Do not use Kalekim Latex as a bonding agent, always add cement and sand.
- For further information refer to the safety data sheet.



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Storage

- Packages should be kept dry and cool at between +5°C and +35°C in moisture free conditions. Avoid direct sunlight.
- Packages should be protected from water, frost and adverse weather conditions.
- Shelf life is maximum 12 months conditional to complying with the above mentioned conditions.

Packaging

- In drums of 5 lt or 30 lt or 200 lt barrel

Technical Properties

(at 23°C and 50% RH)

General Data

Appearance	White liquid
Shelf Life	12 months in original sealed package
pH	8 - 10
Density	1.03±0.03 gr/cm ³

Application Data

Application Temperature Range	(+5°C) - (+35°C)
Mixing Ratio (Latex/Water)	1:1 - 1:4 (depending on the application)
Consumption	Varies with application