



Additives

— Kalekim Latex

5005-5030 Kalekim Latex

Mortar Additive



Description

Water dispersion of a synthetic elastomer for improving plasticity, water retention capacity and trowellability when mixed with aggregates and Portland cement.

Fields of Application

— As an admixture to improve mechanical and adhesive characteristics of cement mixes for screeds, renders, repair mortars, adhesive slurries.

Properties

Properties of Kalekim Latex

— Resistant to alkaline saponification.

Properties of cementitious compounds modified with Kalekim Latex

- Higher adhesion to all surfaces.
- More resistance to abrasion.
- More impermeable.
- More resistant to freeze-thaw cycles.
- More flexible and chemical resistant to diluted acids and alkalis, salt solutions and oils.

Application

— Substrates must be sound, free from oil, grease, and sufficiently dry. Cementitious substrates must be cured. Dilute Kalekim Latex with water in a suitable container in the ratio recommended below for specific applications. Pour the solution into the concrete mixer and add the cement and the aggregates prefer-

ably mixed before so as to avoid lumps. Mix thoroughly till to obtain a homogeneous mixture.

Usage in renders: Mix cement and sand at appropriate size in 1:4 - 1:5 ratio with Kalekim Latex diluted water in the ratio of 1:4.

Usage in repairing mortar: Mix cement and sand at appropriate size in 1:3 - 1:4 ratio with Kalekim Latex diluted water in the ratio of 1:3.

Usage in adhesive slurries: To obtain a bonding slurry to be applied before screeds and plasters on existing cement surfaces add Kalekim Latex diluted water in the ratio of 1:2 into 1:3 cement:sand mixture until gets creamy structure.

Usage in screeds: Mix cement and sand at appropriate size in 1:3 - 1:4 ratio with Kalekim Latex diluted water in the ratio of 1:4. Apply the mixture with brush till it gains 2 mm. thickness while the adhesive slurry applied before it is still fresh. Mix for 2 - 3 minutes until the mix is smooth. Dispose mortars of which pot life is expired. 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.

Safety Advices

— For further information refer to safety data sheet.

Storage

— Store in original sealed packing. Protect from frost and direct sun light.

Packaging

— In drums of 5 lt. or 30 lt. or 200 lt. barrel

Technical Properties

Composition	Styrene Butadiene Latex Emulsion
Appearance	White liquid
Shelf Life	12 months in original sealed package

Application Data

Application Temperature Range	(+5° C) - (+35° C)
Density	1.03 ± 0.03 gr./cm ³
pH Degree	8 - 10
Mixing Ratio (latex: water)	1:1 - 1:4 depending on the application
Consumption	Varies with application

(at 23° C and 50% RH)

