SUPERLAT LATEX

Multi-purpose copolymer emulsion specially designed to multiple improvements and enhacements of cement mortar properties.

Typical advantages

- Adhesion improver for all substrates
- Increased flexibility
- Improves plasticity, water retention and workability of fresh mixtures.
- Eliminates shrinkage and prevents resulting cracks
- Improvement of mechanical resistance
- Concrete and mortar waterproofing
- Increased resistance to freezing - thawing cycles
- Allows the construction of thin coatings
- Enhancement of resistance to petroleum products, acids, alkali and other chemical agents

Examples of applications

- High strength plasters, grouts and floors
- Waterproof, high strength mortars
- Binding coat between mortars and concrete
- Mortars for restoring damage to cement mortars and concrete
- Waterproof cement screeds
- Protection of the surface of fresh concrete from dehydration
- Reinstatement of concrete surfaces (pillar corner edges; recesses and correction of gradients; reinstatement of cracked plaster; etc)
- Masonry mortars
- Adhesives for stones; tiles; insulating slabs; and glass bricks
- 100% waterproofing of plaster board
- Surface mortar penetration to improve primer properties

Specifications

Form: liquid emulsion

Hue: white

Density: 1kg/lit

PH: 9

Mixture preparation

It is recommended when preparing mixtures where BAULAT shall be added to stir first liquids (BAULAT–water) and then solid substances (cement - sand - aggregates). Please consider that working time of mortars containing BAULAT is significantly prolonged while setting time is considerably increased.

Instructions for use

Shake well before use. SUPERLAT LATEX is used for partial or total replacement of the mixing water used in the mortar. Proper mixing ratios between SUPERLAT LATEX and water are a function of substrate; application type; and the intended properties of mortars. Generally, thinning with water to ratios higher than 1:5 is not recommended. Application is carried out manually using trowel; emulsion brush; standard brush or mechanically. Avoid spreading mortar containing SUPERLAT LATEX when temperature is below 5 °C or is expected to drop below 5 °C in the coming 24 hours. Cement mortars containing SUPERLAT LATEX require maintenance by wetting the surface (especially under wind or high temperature conditions) to avoid accelerated water evaporation. Clean application tools with water immediately after use.

Applications examples:

Adhesives and mortars additive

Add SUPERLAT LATEX in the mixing water, 1:1 up to 1:2 ratio or approximately 2.5-3.0 kg per 25 kg bag depending on the desirable result.

Repairing mortars

For the preparation of concrete repair mortars (repairs in corners, steps, large cracks, grooving etc.)

Ratio:
Cement: sand = 1: 2 up to 1: 4
+
SUPERLAT LATEX: water= 1: 1 up to 1: 4

Application on surfaces where substrate has been prepared accordingly. In special cases with smooth substrates or surfaces with high mechanical stresses it is recommended to apply a bonding layer of SUPERLAT LATEX.

Bonding layer between mortars and concrete

A) Undiluted
As a bonding layer between old and new mortar or concrete apply SUPERLAT LATEX on horizontal or vertical surfaces with brush undiluted and then apply the new mortar while SUPERLAT LATEX is still fresh.

B) As a bonding layer as described below depending on the application:.
1) For horizontal surfaces
Cement: sand = 1 : 1 (A)
+
SUPERLAT LATEX: water = 1: 1 (B) (A)+(B)= 2:1
The mixture is then applied by brush at 2mm thickness. The application of the new mixture is applied while the layer is fresh.

2) For vertical surfaces
Cement: sand = 1 : 1 (A)
+
SUPERLAT LATEX: water = 1 : 1 (B)
(A)+(B) = 4:1 for increased thixotropy and it is applied as a rough cast. The new layer of mortar or concrete is applied after the hardening of the bonding layer.

Water-resistant screeds
After a bonding layer of SUPERLAT LATEX apply 2 coats of screeds consisting of
Cement : sand = 1 : 2 up to 1 : 3 (A)
+
SUPERLAT LATEX: water = 1: 1 up to 1 : 2 (B)
(A)+(B)= 4 :1
As a result, waterproofing of tanks and basements even for negative hydrostatic is achieved.

Thin layer renders
The combination of fine granulometry sand and SUPERLAT LATEX allows the production of renders for extra thin application (up to 1mm) with exceptional end strength.

Water resistant and high strength renders
For waterproof elastic renders add SUPERLAT LATEX to the mixing water as follows.
SUPERLAT LATEX: water = 1 : 1 up to 1 : 4

Improvement of water paints
Approximately 1 lit. of SUPERLAT LATEX is added per 10 litres of ready-to-use water paint to increase end strength for indoor and outdoor use.

Concrete surface protection
Apply SUPERLAT LATEX: water 1:2 by brush or spay gun once concrete starts to cure and if there is no stagnant water on the surface.

Packaging

1, 5, 20 kg in cans

Storage

Preferably in shady and roofed locations, low in moisture, protected against ice, high temperature and exposure to sunlight for at least 18 months.

Health and safety

Drinking SUPERLAT LATEX is prohibited. We recommend wearing gloves and safety goggles. In case material comes in contact with skin or eyes, immediately rinse with plenty of water. In case irritation persists, consult your doctor. Avoid contact with skin or eyes.

Notes

Technical details, properties, recommendations and information on BAUER products are supplied in good faith. They are based on the company's research and experience, provided that they are stored and applied under normal conditions. As the method of using materials as well as project and environment conditions are beyond the control of the company in each individual application setting, the product user is held solely responsible for the result of application. No responsibility under any legitimate relationship can be substantiated against the company, based on the information set out hereunder. Product users are advised to refer to the latest revision of the technical manuals available.

Other information

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