

# ALEXLATEX-S



## Polymer Bonding Aid and Mortar Additive

### Description

**ALEX LATEX- S** is a modified styrene Butadiene rubber emulsion which is supplied as a ready to use white liquid formulated to increase both water proofing and chloride resistance of concrete and cement renders. It is designed to improve the quality of site-batched cementitious mortars and slurries. being resistant to hydrolysis, it is ideal for internal and external applications in conjunction with cement , water.

### Uses

- Used in precast concrete factories.
- For improving and bonding concrete repair mortars, floor toppings and screeds, waterproof renders and cementitious slurries.Cementitious mortars are alkaline in nature and will protect embedded steel reinforcement.
- Mortars produced with **ALEX LATEX- S** may be used for horizontal, vertical and overhead repair work.
- ALEX LATEX- S** may be used to form a bonding agent for slip bricks, ceramic tiles,etc.
- Bonding new concrete surface to existing concrete surface.

### Advantages

- Contain no chloride
- Excellent bond to concrete, masonry,

- stonework ,plaster and block board
- Single component liquid can be easily applied.
- Improve compressive strength.
- Non toxic so used in contact with potable water.
- Reduce cracking by increasing the flexibility.
- Improves cohesion and workability
- Improves mortars to provide waterproof repairs, renders and toppings which are highly resistant to freeze/thaw cycling.
- Improves tensile and flexural properties

### Surface preparation

Prepare a good clean structural surface for bonding by removing all loose materials ( dust ,oil grease or others).

Traces of oil, grease and curing compounds should be removed by chiseling the affected part.

Use compressed air to remove any dust to reach a clean surface free from any material cause de bonding.

### Standard

ASTM C1059-86

### Properties

Form	Liquid
Colour	Milky White
Specific gravity	1.03
Toxicity	Non toxic

Test method	ALEX LATEX –S mix	Control mix
Compressive strength	38.0 N/mm <sup>2</sup>	28.0 N/mm <sup>2</sup>
Tensile strength	3.50N/mm <sup>2</sup>	2.7 N/mm <sup>2</sup>
Flexual strength	9.50N/mm <sup>2</sup>	7.9 N/mm <sup>2</sup>
Stand shear bond	22.00 N/mm <sup>2</sup>	2.60 N/mm <sup>2</sup>

### **Guide to application**

- The application area should be wet but remove the excess water.
- Apply a slurry coat (**ALEXLATEX-S**) to the clean surface.
- Mix the material as a design mix given or as approx. dosage recommended.
- Apply the mixed material while the slurry still wet.
- Use **ALEXCURE** for curing.

### **Guide to application**

#### **Mixing:**

Mix dry ingredients with the required amount of water before adding **ALEX LATEX-S** as shown:

#### **Cement Slurry:**

25 kg Portland cement  
8 lit **ALEX LATEX-S**  
8 lit of water

#### **Cemetitious repair mortar:**

50 kg Portland cement  
150 kg sand  
15 lit water  
4 lit **ALEX LATEX-S**

#### **Plaster:**

50 kg Portland cement  
150 kg sand  
15 lit water  
3 lit **ALEX LATEX-S**

#### **Floor screed:**

50 kg Portland cement  
75 kg sand  
75 kg agg.  
15 lit water  
4 lit **ALEX LATEX-S**

#### **Brick-Tiles mortar:**

50 kg Portland cement  
125 kg sand  
15 lit water  
6 lit **ALEX LATEX-S**

#### **Storage:**

Store out of direct sunlight, clear of the ground on pallets protected from rain fall.

Protect from extremes of temperatures.

#### **Packing:**

Is supplied in 20 lit pails and 210 lit drums or 1000 lit bulk

#### **Shelf life:**

Up to 12 months if stored in unopened Containers according to the manufactured instructions.

#### **Safety precautions:**

Avoid contact with eyes, mouth, and skin. Treat splashes to eyes.

**Guarantee:**

All precaution is taken in manufacture of each product to comply with the standard of each material.

The data sheet for each product for information only and may be corrected and no liability is accepted for it.

The results may have variation because the method of their use condition under which they are applied cannot be anticipated.

**Technical Service:**

For any technical advice for using the **ALEXCHEM** contact the technical office.

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