ALEXLATEX- D

Diluted Polymer Bonding Aid and Mortar Additive

Description

ALEX LATEX- D is a modified styrene Butadiene rubber emulsion which is supplied as a ready to use white liquid formulated to produce a water proofing, chemical resistance and increase the physical properties for concrete 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 as it improve the waterproofing and chemical resistant for both concrete and mortar.

Uses

•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- D** may be used for horizontal, vertical and overhead repair work.
•**ALEX LATEX- D** may be used to form a bonding agent for slip bricks, ceramic tiles,etc.
•**ALEX LATEX- D** may be used for bonding between old and new concrete.

Advantages

• Contain no chloride admixture.
•Excellent bond to concrete, masonry, stonework ,plaster and block board
•Single component liquid can be easily applied.
• Decrease the cracking because of flexible mortar.
• Increase the compressive strength for concrete and mortar.
• Used in contact with potable water as it is non toxic.
• Improves cohesion and workability
•Improves mortars to provide waterproof for screeds,repairs,topping and renders which are highly resistant to freeze.
•Improves tensile and flexural properties so used in thin application.

Surface preparation

•Remove all looses from the surface, oil, dust, looses or any other material which cause de bonding.
• Where breaking out is not allowed, remove any laitance by light scrabbling or grit-blasting.
•Steel should be cleaned to a bright condition by sand blast SA 2 ½.
•Before application the substrate should be soaked with clean water.
• A slurry primer should be prepared by using **ALEX LATEX-D** consisting of 1 volume of **ALEX LATEX-D** + 1 volume of water and 3 volumes of fresh cement.

• The slurry should be scrubbed well into the surface of the concrete.
•Do not apply high thickness of slurry to avoid Pudding.
•Repair mortar, screed, renders should be applied on wet slurry.

Standard

ALEX LATEX-D according to ASTM C1059-86

Properties

Form	Liquid
Colour	Milky White
Specific gravity	1.01
Toxicity	Non toxic

Test method	ALEX LATEX –D mix	Control mix
Compressive strength	32.00 N/mm2	28.0 N/mm2
Tensile strength	3.00 N/mm2	2.7 N/mm2
Flexual strength	8.20 N/mm2	7.9 N/mm2
Stand shear bond	15.00 N/mm2	2.60 N/mm2

Guide to application

Mixing:

Mix dry ingredients with the required amount of water before adding
ALEX LATEX-D as design mix approved
As shown:-

Cement Slurry:
36 kg Portland cement
12 lit **ALEX LATEX-D**
12 lit water

Render, plaster:
50 kg Portland cement
150 kg sand
15 lit water
7 lit **ALEX LATEX-D**

Bonding repair mortar:
50 kg Portland cement
150 kg sand
15 lit water
8 lit **ALEX LATEX-D**

Brick-Tiles mortar:
50 kg Portland cement
125 kg sand
15 lit water
10 lit **ALEX LATEX-D**

Floor screed:
50 kg Portland cement
75 kg sand
75 kg agg.
15 lit water
8 lit **ALEX LATEX-D**

Storage:
Store out of direct sunlight, clear of the ground on pallets protected from rain fall.
Protect from extremes of temperatures.
Protect from frost.

Packing:
Is supplied in 20 lit pails and 210 lit drums, 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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