

BUILDCRETE – LATEX

All purpose SBR admixture for repair/bonding/waterproofing

DESCRIPTION : **BUILDCRETE – LATEX** is a single component synthetic rubber emulsion, which can be added to any cementitious formulation for repair of damaged/spalled concrete, waterproofing and bonding.

USES : **BUILDCRETE – LATEX** is extensively used as a polymer modifier to concrete/patch repair, waterproofing treatment, bonding agent on cold joints on a surface where new layer of cement bound mixes would be used.

FEATURES

- ❖ Most versatile polymer to be used with cement.
- ❖ Compatible with all common hydraulic cements.
- ❖ Highly durable waterproof cementitious system against UV.
- ❖ Superb material for bonding and abrasion resistant properties.
- ❖ Resistant to many chemicals
- ❖ Cost effective.

APPLICATION : Surface should be clean and free from dust, oil and grease, Before application of **BUILDCRETE – LATEX**, the surface should be saturated surface dry.

Mix Proportions

Repair/Patch Mortar

Cement OPC	495 kgs.
Sand Zone III	1360 kgs.
Buildcrete – Latex	112 kgs.
Water	136 kgs.
Fresh wet density	2100 kg./m ³
Yield	1.05 m ³

Bonding Agent

Cement OPC	1.75 kg.
Zone II sand	1.75 kg.
Buildcrete Latex	0.50 kg.
Coverage	2.5 m ²

Corrosion Protection slurry

Cement OPC	2 kgs.
Buildcrete – Latex	1 kg.
Coverage	1.5 m ² for 1.2 mm thick

Injection Grouting

Cement OPC	2.00 kg.
Buildcrete Latex	0.50 kg.
Water	0.50 Ltr.
Yield	1.5 Ltr.

TECHNICAL DATA

Type	: Styrene butadine polymer emulsion	
Colour	: Milky white	
Specific gravity	: 1.02	
pH	: 8–9	
Comp. strength (kg/cm ²)	Without Latex	With Buildcrete Latex
7 days	180	250
28 days	210	350
Flexural strength(kg/cm ²)		
7 days	28	52
28 days	32	70
Tensile strength (kg/cm ²)		
7 days	15	31
28 days	17	36
Adhesive strength (kg/cm ²)		
7 days	2.6	5.7
Water absorption, %		
7 days + 1 day immersed	5.6	0.2
7 days + 7 days immersed	6.4	0.2
Shelf life	: 12 months in unopened containers	
Packing	: 25 kgs containers	
Storage	: Keep in a cool place	
Health & safety	: Non-toxic, non-inflammable, eco-friendly. However, it should not come in contact with skin and eyes or be swallowed.	

Tools and equipments should be washed with water immediately after use.