

## 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	Bonding Agent		
Cement OPC	495 kgs.	Cement OPC	1.75 kg.
Sand Zone III	1360 kgs.	Zone II sand	1.75 kg.
<b>Buildcrete – Latex</b>	112 kgs.	<b>Buildcrete Latex</b>	0.50 kg.
Water	136 kgs.		
Coverage	2.5 m <sup>2</sup>		
Fresh wet density	2100 kg./m <sup>3</sup>		
Yield	1.05 m <sup>3</sup>		
Corrosion Protection slurry	Injection Grouting		
Cement OPC	2 kgs.	Cement OPC	2.00 kg.
<b>Buildcrete – Latex</b>	1 kg.	<b>Buildcrete Latex</b>	0.50 kg.
Coverage	1.5 m <sup>2</sup> for	Water	0.50 Ltr.
	1.2 mm thick	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 <sup>2</sup> )	<b>Without Latex</b>	<b>With Buildcrete Latex</b>
7 days	180	250
28 days	210	350
Flexural strength(kg/cm <sup>2</sup> )	:	
7 days	28	52
28 days	32	70
Tensile strength (kg/cm <sup>2</sup> )	:	
7 days	15	31
28 days	17	36
Adhesive strength (kg/cm <sup>2</sup> )	:	
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	
<b>Packing</b>	:	25 kgs containers
<b>Storage</b>	:	Keep in a cool place
<b>Health &amp; safety</b>	:	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.