

Technical Data Sheet



Larsen LT SBR

Polymer modified mortar



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Larsen LT SBR is a modified acrylic emulsion polymer specially designed for modifying cementations composition . Cement mortars modified with **Larsen LT SBR** are hard, tough and durable compared with unmodified mortars. They are especially useful where thin sections are desirable and where excessive vibration and heavy loads are encountered.

PHYSICAL PROPERTIES :

Appearance	: Milky white emulsion
Solid content (150°C/20min)	: 22 ± 0.5%
pH when packed	: 9.5 -10.
Viscosity (Brookfield LVF #1/60@25°C)	: 170 cps. Max
Film test (draw down 250 –micron ambient temp.)	: Clear free from bits, slightly tacky
MFFT	: 10°C – 12°C
Specific gravity of emulsion(typical)	: 1.058
Film casting test @54c dried overnight	: Flexible, doesn't crack on rolling.

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ADVANTAGES :

- Cement mortars, flooring, plasters modified with **Larsen LT SBR** have superior flexural, bonding and impact strength, as well as excellent abrasion resistance.
- **Larsen LT SBR** has excellent waterproofing capability and widely used for waterproofing of floors. Rooftops, asements and maintenance of seepage and leakage. It can be used for crack filling and as life joining compound mixing with white cement.
- **Larsen LT SBR** modified cement mortars doesn't require wet curing as **Larsen LT SBR** hold the water in system sufficient for cement curing.
- **Larsen LT SBR** Increase workability of the mortar at one side, at other side this section dry rapidly.
- **Larsen LT SBR** modified cement mortars are resistant to many industrial chemicals, U/V rays & heat.



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OTHER HIGHLIGHTS:

Larsen LT SBR can be used to formulate two component metal primers that provide low cost excellent protection for both interior and exterior substrates. The cementitious primers based on **Larsen LT SBR** are essentially without odor, flammability or other hazards inherent with solvent – borne systems. Some of the major advantages include :

- ❖ Excellent corrosion and water resistance.
- ❖ Complete flash and early rust resistance.
- ❖ Protects rusty as well as clean metal.
- ❖ Cures in damp enclosed areas.
- ❖ Excellent adhesion to metal.
- ❖ Outstanding flexibility.
- ❖ Excellent weather ability.
- ❖ Solvent – free composition.
- ❖ Ambient cure.



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DESCRIPTION

Larsen LT SBR is a two component SBR polymer modified cementitious repair mortar. Both the components are mixed at the site, which form a high strength repair and leveling mortar.

USES

Larsen LT SBR is extensively used as a concrete/patch repair mortar in water retaining structures, repair of damaged/spalled concrete, repairing of honeycombing etc.

FEATURES

- ❖ Most versatile high strength repair mortar
- ❖ Superb bonding and abrasion resistant properties
- ❖ Resistant to many chemicals
- ❖ Non toxic
- ❖ Cost effective
- ❖ Consistent quality

APPLICATION

Pack 'A' (polymer) and Pack 'B' (cementitious powder) to be mixed at the site in the ratio 1:6 by weight.

Surface should be clean and free from dust, oil and grease. Before application of **Larsen LT SBR** the surface should be saturated surface dry.

Mixing is to be done by a low speed mechanical mixer till a homogeneous mix is obtained.

Allow the mortar for air curing after atleast three days of moist curing. Curing with our curing compound – Larsen SBR may also be carried out.

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TECHNICAL DATA

Appearance of material (A)	:	Milky White
OPC Cement (B)	:	
Mixing ratio	:	1:6 by weight (Pack A & Pack B)
Bond strength to concrete at 27°C	:	1.5 N/mm ² after 28 days
Flexural strength at 27°C	:	1.5 N/mm ² after 28 days
Compressive strength at 27°C	:	35 N/mm ² 28 days
Packing	:	Pack A – 20Ltr / 10Ltr. /5Ltr.
	:	
Minimum application temperature	:	+ 8°C
Minimum thickness each coat	:	3mm
Maximum thickness each coat	:	20mm (to achieve more thickness, clean coarse sand may be added in the mix
Shelf life	:	18 months in unopened packs
Storage	:	Keep in a cool and dry place and protect from moisture Health &
safety	:	Non-toxic, non-inflammable, eco-friendly. However, it should not come in contact with skin and eyes or be swallowed. Splashes in eyes during use and storage should be washed immediately.

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