

ALGILATEX SP

03-2008

SBR LATEX POLYMER ADDITIVE FOR POLYMER MODIFIED CONCRETE/MORTAR

DESCRIPTION

ALGILATEX SP is a SBR latex additive for modifying cement concrete/mortar to improve the mechanical properties such as flexure and tension. It improves the water resistance of cementitious mixes.

ADVANTAGES:

- Highly Economical bonding agent.
- Excellent bonding strength.
- Allows thinner sections
- Reduces Cracking
- Due to very low permeability of polymer modified mortars, remarkable improvement in prevention of carbonation and chloride penetration is obtained.
- Latex modified mortar cures in air, thus eliminating the need of water curing.
- Improves workability.
- Improves abrasion and chemical resistance.

USES:

- As a bond Coat
- As a additive to cement paint
- In rehabilitation of structures
- For repair of mortars
- Industrial floor repairs.
- Excellent with repair mortar especially for damaged or dilapidated structures.
- Excellent coating on concrete surfaces to provide waterproofing.
- As an additive to cement grout

METHOD OF USE:

SURFACE PREPARATION: Clean the surface of concrete so that it is free from oil, grease, cement, laitance and dirt etc and saturate the surface of concrete with water.

AGGREGATE: Clean, dry and well graded aggregates of the following size should be used. For the mortar of up to 5 mm thickness, aggregates of maximum size of

2mm may be used. From 5 mm to 15mm thick mortar maximum aggregate size may be 3mm, and for above 15mm thick mortar aggregates of maximum size 5mm may be used. Mixing of diluted latex should be done manually. In case of mechanical mixing, mixing should be stopped once the mix is cohesive.

Caution:

Excessive mixing will entrain excessive air which will reduce strength of mortar. Bonding coat should be made only with cement and not polymer alone. Polymer modified concrete should be cured properly.

PACKING:

1 Kg, 5 Kg, 20 Kg, 100 Kg & 210 Kg HDPE car buoys.

CONSUMPTION:

As bond coat : 1 Kg of latex/100-120ft²

As Additive : 3 to 6 Kgs per bag of cement

For Polymer Modified Mortar: 200 ft²/mm thickness

For Polymer Modified Concrete: 30 to 40 Kg/m³ volume.

HEALTH & SAFETY:

ALGILATEX SP is non-toxic, but alkaline in nature, Gloves should be worn while using the product & any accidental splashes on the eyes or skin should be cleaned with water.

PROPERTIES:

| | |
|---------------|--|
| TYPE | : Styrene Butadiene Liquid |
| COLOUR | : White |
| SPECIFIC GTY. | : 1.01±0.01 |
| STORAGE COND | : Protect from frost & from extreme heat & direct Sunlight |

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APPLICATION:

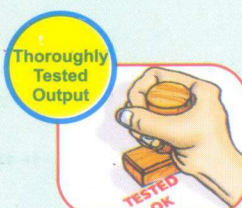
| | Flooring Polymer Modified Concrete | Bond Coat | Masonry Joint | Waterproof Coat |
|--------------|------------------------------------|-----------|---------------|-----------------|
| | by wt. | by wt. | by wt. | by wt. |
| Cement | 50 | 50 | 50 | 50 |
| Sand | 75 | - | 50 | - |
| Aggregate | 150 | - | - | - |
| Algilatex SP | 3-10 | 15 | 10-20 | 17.5 |
| Water | - | 20 | - | 17.5 |



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NOTE: The Product should be used in accordance with the manufacturer's instructions. The manufacturer will not be held liable for the performance of the product if the same is not used as per the regulations and limitations specified by the manufacturer and also in conditions where the conditions of use are beyond the control of the manufacturer.