



CLASSIC CRETE™ SBR 300

Polymer Bonding aid and mortar Additive

Product:

Classic Crete SBR 300 is a milky, white liquid produced from styrene butadiene consists of microscopic particle of synthetic rubber.

Composition:

Classic Crete SBR 300 is styrene butadiene co-polymer latex specially designed for use with cement mix.

Advantages:

- Develops excellent bond with most building materials
- Outstanding water resistance.
- Reduces or prevents salt penetration into concrete
- Good chemical resistance.
- Highly durable in continuous wetting conditions.
- Increases flexibility.

Dosage:

Typically 10-20% w/w on the OPC weight i.e., 5-10 Kg per 50 Kg of OPC. 3 to 5 Kg for Binding Coating. 2 to 3 Kg for Floor Hardener Topping. 1 to 2 Kg for Floor Screed.

Uses:

Concrete Repair, Floor screeds and toppings, External Rendering, General concrete repairs, Protection of concrete against corrosion, salt attack, etc., Waterproofing of basements, toilets, terraces, roofs, swimming pools, water towers, etc., Fixing brick slip and tiles, Corrosion Protection of steel.

Pack:

1,5,10,20,50 & 100 Kg Containers.

Description:

Classic Crete SBR 300 has been specifically developed as a admixture for cement based building materials. It is designed to improve the physical, mechanical and chemical resistance properties both in the fresh and hardened state. It has a strong plasticizing effect on cementitious mixes, thereby allowing a reduction in

water; cement ratio which results in reduced permeability of the hardened materials. It gives good early strength development and improved flexural, compressive and adhesive strengths. Use of a primer coat of cement slurry containing **Classic Crete SBR 300** is an excellent method of achieving superior adhesive bond strengths.

Typical Properties:

Specific Gravity -----1.02 to 1.05 @ 27°C

pH----- 7 to 10

Volatility-----50 %

Water Vapour permeability less than 4gm/ m² /24hr

Through a 11mm thick test piece.

Shrinkage During cure 0.01% to 0.02%

Resistance to water excellent under pressure 30mm no water penetration

Head through a 15mm thick test piece.

Instructions for Use:

Surface Preparation:

Prior to application of **Classic Crete SBR 300**, all surfaces must be prepared properly to avoid failure. The surfaces shall be cleaned to remove all dust, foreign loose materials or any deposits of contaminants, which could affect the bonds between the surfaces and the **Classic Crete SBR – 300** coating. This can be done by scarifying, grinding, water blasting, sand blasting and acid washing or by any other approved method.

All concrete surfaces shall be thoroughly pre-washed for at-least one hour prior to the application of **Classic Crete SBR-300** coating by ponding of water on flat surfaces and by vigorously spraying water on vertical/inclined surfaces. When placing **Classic Crete SBR – 300** coating, all water shall be removed so that surface is only damp or surface dry. In no case should there be standing water on a shiny wet surface.

Application:

3 to 5 Kg of cement is mixed with 1 Kg of **Classic Crete SBR – 300** and the mix has to be stirred thoroughly until no air bubbles remain in the mix and any lump found in the mix should be removed. If necessary, little water can be used to obtain the required consistency. The mix has to be applied by brush on rendered or prepared surfaces. Two or more coats are recommended. First coat should be allowed to air dry. The surface should be made wet before application in case of porous structures.

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Note: It can be directly applied over the surfaces and coverage depends upon the surface conditions approximately 1 Kg covers 2 Sq.mt. for 2 coats.

Storage Life:

Atleast one year in manufacture's undamaged, sealed containers, when stored in dry, frost-free condition.

Handling Precautions:

Classic Crete SBR – 300 is non toxic but is mildly alkaline. Splashes to the skin should be removed with water.



TAMILNADU

Corporate Office

PRIMADONN BUILDTECH PVT LTD

No. 349, First Floor, Srinivasa Nagar, Kavaripttai, Gummidipoondy 601 206.

Ph+91-8220513172,

Admin Office:

No.605, Selva Vinayaga Nagar, Grant Lyon Village, Ponneri Tk., Thiruvalluvar Dt., Ph+91-6379174327, +91-8438276059.

Manufacturing Unit

No.603, Selva Vinayaga Nagar, Grant Lyon, Vadagarai, Chennai 600 052. Ph.+91-9444907177

KARNATAKA

Corporate Office:

PRIMADONN CONSTRUCTION CHEMICALS (P) LTD.,

Talacauvery Layout, Basavanagar, Bangalore 560 037. Ph.+9150878429, +91-9345411355.

PONDICHERRY

Branch Office

192/A, Chinna Subburaya Pillai Street, Near Vaikal Cutting, Puducherry 605 001. Ph.0413-4208833, 91-+9514709240

Distributor's

151, Chinna Subburaya Pillai Street, Near Vaikal Cutting, Puducherry 605 001. Ph.0413-2222100, 91-+9345561820

Email: Info@Primadonn.com, www.Primadonn.com

