


Jubiguard

CRETESHIELD LITE

**SBR LATEX BASED POLYMER FOR MORTAR AND SCREED MODIFIER
CUM BONDING AGENT**



Jubiguard Creteshield Lite is an SBR-based polymer that, when added to cement slurry, mortar, concrete, or grout, enhances adhesion and provides water resistance. It is typically supplied in the form of a milky liquid and is fully soluble in water. The correct usage involves adding it directly to the gauging water of the slurry, mortar, concrete, or grout mix. This additive is commonly utilized in the creation of cement-based waterproofing slurries that offer flexibility and can be applied as a coating to control efflorescence.



Application Areas

- **As a bond coat:** As a bonding agent for uses in repair and plastering
- **As a bonding agent:** Bonding between successive concrete casts by incorporating Jubiguard Creteshield Lite into bonding mortar
- **For concrete/ mortar repairs:** RCC Members, Spalled Concrete of Floors, Columns, Beams, Chhajjas, Slabs, Parapets, etc.
- **For waterproofing:** Roof Slabs, Sunken Slabs, Basements, Retaining Walls, Water Tanks, Swimming Pools, Sunshades etc. in combination with cement
- **For cladding:** Used as modifier in bonding mortar for tiles & panelling
- **As external rendering:** Ensures high wear resistance against erosion
- **For cementitious grouting:** Multipurpose admixture for cementitious injection grouting into cracks or porous concrete works
- **For Masonry Joint Filling:** Long life and watertight masonry jointing
- **For Crack filling:** can be used for cracks more than 5 mm.
- It can be used as treatment for leaching and saltpetre action
- Can be used for protection of concrete against corrosion etc.



Technical Details

Properties	Values	Test Standards
Colour	White	-
Consistency	Liquid	-
Density	1.0 g/ml \pm 0.05	ASTM D 1475-98
Viscosity	1300-2200 cPs	ASTM D 2196
Flash Point	>100°C	ASTM D 93
Water Vapor Transmission	0.97 g/h-m ²	ASTM E 96
Dry to Touch Time	5 Hours @22°C	ASTM D 1640



Pack Sizes

1 kg, 5 kg, 10 kg, 20 kg & 50 kg



Features



Multipurpose

Economical product, easy to use and has multiple applications.



Versatile

Compatible with all common hydraulic cements.



Enhance Strength

Improved tensile and flexural properties strength allow thin applications.



Shrinkage

Reduces drying & aging shrinkage cracks.



Excellent Adhesion

Bond strongly to concrete, masonry, stonework, plasters, cementitious surfaces & most of the building materials.



Erosion & corrosion

Improves erosion resistance & prevents corrosion.



Abrasion resistance

Increase abrasion resistance of the cement mix.



Grouting

Reduces viscosity of cement injection grout for better fluidity & bonding.



Cost effective

It is economical to use.



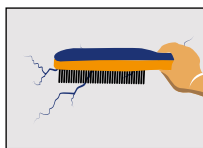
Weather Resistant

Boosts mortar durability, weather resistance, and shields against chlorides.



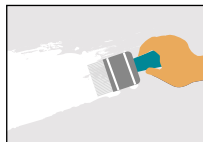
Method of Application

Surface Preparation



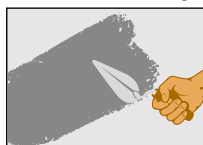
Prepare the surface by wire brushing to remove dirt and loose particles, then degrease with appropriate solvents. Repair spalled concrete by sawing the edges to a depth of 10mm for a strong bond.

Bonding Agent



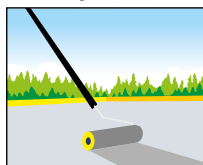
Mix JUBIGUARD CRETESHIELD LITE with water (1:2 ratio) for the bond coat. Ensure the surface is in SSD condition before applying a primer coat using a brush or roller.

Modifier for repair plaster, concrete & mortar



Add 4-5 kg of JUBIGUARD CRETESHIELD LITE per 50 kg bag of cement in plaster and mortar mix.

Waterproof Coating



Create a 1:2 slurry of JUBIGUARD CRETESHIELD LITE and cement for water-proof coating. Apply the 1st coat, let it dry for 4-6 hours, then apply the 2nd coat and let dry for 5-6 hrs. Stir continuously during application to prevent settling. Use within 20 - 30 minutes, considering temperature and humidity.



Coverage

- JUBIGUARD CRETESHIELD LITE 1 Ltr mixed as per recommended dosage will cover approx. 4.5 sqm to 5.0 sqm areas in 2 coats depending upon the porosity of the surface.



Dosage

- As a Primer Coat:** Mixing Ratio is 1:2 (JUBIGUARD CRETESHIELD LITE : Water) by volume.
- As a Waterproof Coating:** Mixing Ratio is 1:2 (JUBIGUARD CRETESHIELD LITE : Cement) by volume
- As a Repair Mortar:** 8-10% JUBIGUARD CRETESHIELD LITE by weight of cement
- For Injection grouting:** 3 kg JUBIGUARD CRETESHIELD LITE per 50 kg bag of cement (*The injection is carried out as per standard practice).

Coverage depends on the porosity of the surface and the method of application. The coverages mentioned are theoretical and based on test conditions. It is strongly recommended to conduct a site trial before mass application to ensure optimal results.



Shelf life



Best before 18 months

in sealed pack under proper storage.

- Failure to comply with the recommended storage conditioning may result in premature deterioration of the product or packaging.



Precautions & Limitations

- Recommended dosage to be followed to achieve desired results.



Health & Safety

- JUBIGUARD CRETESHIELD LITE is safe, non-toxic, and eco-friendly and presents no health hazard. As with all chemicals, caution should always be exercised.
- Use protective clothing such as rubber hand gloves & safety goggles, while using JUBIGUARD CRETESHIELD LITE.
- In case of contact with skin, wash with plenty of water.

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Version No. VN01/04/2024. Please note that this datasheet supersedes all previous versions

For Feedback/complaints, write to Product Manager, CPD, Jubilant Agri and Consumer Products Limited

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