

Product Description

La GreenCote Plus is a elastomeric, water based aliphatic acrylate, silicon based coating with anti-carbonation property for exterior masonry or concrete surface. It has exceptional flexibility, breathability, sealing of cracks, UV resistance and adhesion characteristics to provide optimum protection to surfaces subject to thermal movement.

La GreenCote Plus is designed with 100% acrylic polymer and is the latest APEO free. The unique chemistry offers high scrub resistance and excellent stain resistance

Standard

Tested to ASTM D4541, ASTM D882, ASTM D 1653, ASTM D 570, DIN 53122 part 1

Uses

La GreenCote Plus system is suitable for use on all types of concrete structures which are directly exposed such as Buildings, Bridges, Flyovers and Under-passes. Also Suitable for application on previously painted surfaces.

Advantages

- **High Build Film** - Higher thickness ensures longevity
- **Elastomeric** - Accommodates thermal movement of hair-line cracks
- **UV Stability** - Resistance to UV rays
- **Anti-Dirt & Anti-Fungal**
 - Low dirt pick-up and can be cleaned easily
 - Resistance to Fungal and Algae
- **Anti-Carbonation** - Unique anti-carbonation property to protect structural reinforcement in concrete.
- **Breathability** - Allows internal moisture to escape
- **Ease of Application** - User friendly product and can be easily applied by brush, roller or spray

Technical Properties

Specific Gravity	1.25±0.05
Adhesion to concrete ASTM D4541	3.7N/mm ²
Water absorption ASTM D 570	0.8%
Resistance to chloride,	Good
UV resistance (1000 hrs) ASTM G153	Good
Resistance to algae & Fungi	Good
Water Vapour Permeability (gm./m ² /hrs)Test ASTMD1653	1.0
Diffusion resistance Carbon Dioxide Permeability (DIN 53122 part 1)	4.46 g/(m ² d)
Diffusion equivalent air layer thickness (Sp)	55.7 m
Diffusion resistance number	22.3 μ
Dry Film thickness	120 microns in 2coats
Elongation at 120 microns ASTM D882	>330%
Tensile Strength ASTM D882	4.29 MPa
Shore 'A' Hardness	80
S.R.I Value Colour: Bright White	110

Application Instructions

Surface Preparation

All surface should be dry and free from contamination such as oil, grease, loose particles, decayed matter, moss, algae growth, laitance, and all traces of mould release oils and curing compounds. This is best achieved by thoroughly surface preparation.

It is essential to produce an unbroken coating of La GreenCote Plus water based system. To ensure this is achieved, surfaces containing cracks should first be filled using La BerrySeal CS and spalled portion with polymer modified mortar using La Bond SBR/AR.

Priming

La PrimeFlex is a water thinnable acrylic primer coating for external walls. It has excellent water repellent characteristics and hence provides water proofing properties to external walls.

- Prime the surface with La PrimeFlex diluted with potable water upto 40% (1Litre of La PrimeFlex and 350ml of Water) and allow it to dry for 3-4hrs.
- Prior to La PrimeFlex coat apply La BrushSeal repellent Penetrating primer on the concrete surface or old painted surface for extra protection in heavy rainfall areas. (Dilute La BrushSeal 1 litre with 1-2 litre of water depending on smoothness of surface).

Priming with La BrushSeal is optional it's only for extra Protection in heavy rainfall areas

Applications

In order to obtain the protective properties of the La GreenCote Plus water based system, it is important that the correct rates of application and over coating time are observed.

Mixing

Add maximum of 4 Litre clean water to the 20 Litre container and mix thoroughly using a slow speed drill fitted with a paddle.

La GreenCote Plus

Number of coat(s) Recommended	2
Total dry film thickness	min.120 microns
Over coating time	@ 30°C 5 - 6 hours

Application should not commence if the temperature of the substrate is below 10°C or above 45°C

Applications

All prepared substrates should be treated with two coats of La GreenCote Plus system. The material should be stirred well thoroughly before use. The first coat should be applied generously and worked into all hairline cracks and voids by the use of suitable brushes or rollers to achieve a uniform coating. This coat should be allowed to dry before applying the second coat. Always keep a 'wet edge' to avoid ridging and overspreading. Never stop in the middle of the wall and always complete one wall at a time. The second coat of La GreenCote Plus water based system must be applied exactly as detailed above.

La GreenCote Plus system can also be spray applied.

Precautions & Limitations

- Do not dilute La GreenCote Plus more than prescribed quantity as per datasheet.
- Do not apply if rain is expected within 12 hours of application
- Do not use on interior applications
- Do not use where there may be hydrostatic water transfer from the backside of the substrate
- Do not apply to improperly sealed substrates that are subject to raising dampness or moisture migration
- For extra protection, apply additional coat on rain lashing walls
- Over diluting La GreenCote Plus like any other paint will effect the properties of the product

Coverage

La GreenCote Plus covers 4-4.5m²/Litre in 2 coats on primed surface.

La PrimeFlex covers 10-11m²/Litre in single coat

Package

La GreenCote Plus is available in

White & Light Base	: 4 & 20 Litre Cans
Dark Bases	: 3.8 & 19 Litre Cans
La PrimeFlex	: 20 Litre Can

Shelf Life

18 Months if stored in original packing under shed and at normal ambient temperature

Health & Safety

La GreenCote Plus is toxic and should not be swallowed or allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles. Splashes on the skin should be removed with water. Incase of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

Fire

La GreenCote Plus is water based and non-flammable but should be stored away from combustible materials.

Important: La Greens India Pvt. Ltd., products are guaranteed against defective materials and are sold subject to its standard terms and conditions of sale. It is the Customer's responsibility to satisfy themselves by checking with the Company whether the information is still current at the time of use. The customer must be satisfied that the product is suitable for the use intended. All products comply with the properties shown on current Technical Literatures. However, La Greens India does not warranty or guarantee the installation of the products as it does not have any control over installation or end use of the product. All information and particularly the recommendation relating to application and end use are given in good faith.



Smart Solutions for Sustainable Construction

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