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

La GreenCote 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

Uses

Technical Properties
- Specific Gravity: 1.25±0.05
- Adhesion to concrete ASTM D4541: 3.7N/mm²
- 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./m²/hrs) Test ASTM D1653: 1.0
- Diffusion resistance Carbon Dioxide Permeability (DIN 53122 part 1): 4.46 g/(m² d)
- Diffusion equivalent air layer thickness (Sp): 55.7 m
- Diffusion resistance number: 22.3 μ
- Dry Film thickness: 120 microns in 2 coats
- Elongation at 200%: >300%
- Tensile Strength ASTM D882: 4.29 MPa
- Shore ‘A’ Hardness: 80

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 water based system. To ensure this is achieved, surfaces containing cracks should first be filled using La CrackFill and spalled portion with polymer modified mortar using La Bond SBR/AR.

Priming
La Prime Cote 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 Prime Cote diluted with potable water by 25%. (1Ltr of Primer and 250ml of Water) and allow it to dry for 2-3hrs

Applications
In order to obtain the protective properties of the La GreenCote water based system, it is important that the correct rates of application and over coating time are observed.
Mixing
Add maximum of 4 Ltrs clean water to the 20 litre container and mix thoroughly using a slow speed drill fitted with a paddle.

<table>
<thead>
<tr>
<th>La GreenCote</th>
<th>Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of coat(s) Recommended</td>
<td>La GreenCote covers 5-5.5 m²/lt in 2 coats on primed surface. La PrimeCote covers 8-10 m²/lt in single coat</td>
</tr>
<tr>
<td>Total dry film thickness</td>
<td>min. 120 microns</td>
</tr>
<tr>
<td>Over coating time</td>
<td>@ 30°C 5 - 6 hours</td>
</tr>
</tbody>
</table>

Applications
All prepared substrates should be treated with two coats of La GreenCote 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 water based system must be applied exactly as detailed above.

La GreenCote system can also be spray applied.

Precautions & Limitations
- Do not dilute GreenCote 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 GreenCote like any other paint will effect the properties of the product

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