RCS™ 5000C
100% Acrylic Roof Coating with Ceramic

Product Description
RCS-5000C is a premium quality, fluid-applied, elastomeric roof coating manufactured using advanced all-acrylic polymer technology. The fully-adhered seamless membrane exhibits outstanding adhesion, strength, flexibility, and water resistance.

Use RCS-5000C to extend the life of new and existing built-up asphalt, modified bitumen, asphalt shingle, single-ply, galvanized metal, concrete, and plywood roofs. RCS-5000C is ideal for flat deck roofs with positive drainage.

Performance Characteristics
- Superior exterior durability and UV light resistance
- Excellent adhesion to most roofing materials
- Seamless, fully-adhered elastomeric membrane inhibits leaks
- Excellent dirt pick-up resistance
- Low temperature flexibility down to -15°F

Companion Products
The following products may be beneficial and/or necessary to prepare the substrate properly. Refer to “Surface Preparation” and the companion Data Sheet for specific recommendations.
- Lapolla's RCS 30 Rust-Inhibitive Metal Primer
- Lapolla's RCS 40 Rinseable Primer
- Lapolla's RCS 5500 Primer for TPO Membranes
- Tietex® Roofing Fabric or equivalent
- EternaBond® WebSeal Seam Tape or equivalent

<table>
<thead>
<tr>
<th>Properties</th>
<th>Test Method/Requirements</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Percent Solids by Weight:</td>
<td>ASTM D 1644</td>
<td>72.4% ± 3%</td>
</tr>
<tr>
<td>Percent Solids by Volume:</td>
<td>ASTM D 2697</td>
<td>56.2% ± 3%</td>
</tr>
<tr>
<td>Viscosity:</td>
<td>ASTM D 562</td>
<td>110 KU ± 10 KU</td>
</tr>
<tr>
<td>VOC:</td>
<td>0.17 lbs/gal (20.2 g/l)</td>
<td></td>
</tr>
<tr>
<td>Flash Point:</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Tensile Strength/</td>
<td>ASTM D 2370</td>
<td>-Tensile Strength @ 73°F: 286 psi</td>
</tr>
<tr>
<td>Elongation at Break:</td>
<td>-Elongation @ 73°F: 155%</td>
<td></td>
</tr>
<tr>
<td>Water Swelling:</td>
<td>ASTM D 471</td>
<td>15%</td>
</tr>
<tr>
<td>Wet Adhesion:</td>
<td>ASTM C 794/D 903</td>
<td>- Galvanized Metal: 7.1 pli</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Concrete: 9.2 pli</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- EPDM: 3.2 pli</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- SBS Granule: 2.0 pli</td>
</tr>
<tr>
<td>Tear Resistance:</td>
<td>ASTM D 624</td>
<td>(DIE C): 74.3 LBF/IN</td>
</tr>
<tr>
<td>Fungi Resistance Rating:</td>
<td>ASTM G 21</td>
<td>0</td>
</tr>
<tr>
<td>Low Temperature Flex,</td>
<td>ASTM D 522</td>
<td>PASS</td>
</tr>
<tr>
<td>1/2&quot; Mandrel, -15°F after</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1000 Hours Accelerated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weathering:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Credentials
- Underwriters Laboratories Inc. (UL 790) Approved
- Cool Roof Rating Council (CRRC) Listed
- CRRC Product ID: 5001 White - 0770-0003
- Miami-Dade County Approved
- NOA 12-0913.01, Miami-Dade County, Florida, 08/09/16
- Energy Star Approved
- Meets California Title 24 Requirements

Surface Preparation & Priming
All surfaces must be clean, dry, and sound; free of loose and peeling coatings, grease, oil, efflorescence, curing agents, form release agents, dirt, mildew, and other detrimental foreign matter that will adversely affect adhesion and product performance.

When appropriate, pressure-wash the substrate to remove surface contaminants. Power-broom, vacuum, air-blast, or use other methods to prepare the substrate further. Ensure removal of all mildew and other organic growth.

Variou1 Single-Ply Membranes: (PVC, CSPE, etc.) RCS 5000 adheres well to most clean, dry, single-ply membranes. Apply a test area and allow RCS 5000 to dry one week before testing adhesion. Galvanized Metal:
- Clean with a commercial grade emulsifying detergent. Thoroughly rinse with clean water. If loose mill scale, or more severe corrosion is present, prepare according to Hand Tool Cleaning SSPC-SP2 or Power Tool Cleaning SSPC-SP3. Prime corrosion with RCS 30 100%
RCS™ 5000C
100% Acrylic Roof Coating with Ceramic

Acrylic Rust-Inhibitive Metal Primer. Concrete: Allow new concrete to cure for 30 days. The pH of the substrate should be less than 9 before coating. Very dense, nonporous, or chemically treated concrete may require etching or abrasive blasting to promote adhesion. Note: Do not apply RCS 5000 to lightweight insulating concrete. Plywood: Prime knots and resinous areas with shellac or a 100% Acrylic Exterior Latex Wood Primer. Existing Coatings: RCS 5000 is compatible with acrylic, urethane, and various other roof coatings. Note: Do not use RCS 5000 on Silicone or Aluminized Coatings. Contact Lapolla Industries, Inc. for use on non-listed coatings.

Application Guidelines
RCS 5000 requires complete evaporation of water to cure. Lower temperatures and higher humidity prolong drying and cure time.

Apply only when air, surface, and product temperatures are above 50°F and the substrate is at least 5°F above the dew point. Do not apply when temperatures may drop below 50°F within 24 hours after application. Avoid application late in the day when dew or condensation is likely to form or when rain is expected.

It is recommended that RCS 5000 be sprayed in multiple coats applied in multi-directional (north-south, east-west) passes to ensure uniform film build. Backrilling sprayed material may be necessary to fill pinholes in substrate. Final cured dry film thickness must be free of voids, pinholes, holidays, cracks or blisters.

Apply in a minimum of 2 coats with each coat at a maximum rate of 1.5 gallons per 100 square feet, for a total minimum coating rate of 3 gallons per 100 square feet. Additional coats of 1.5 gallons maximum per 100 square feet may be applied to obtain the desired final thickness of coating. The minimum allowable dry mil thickness shall be no less than 24 mils. Granules may be broadcast into the final coating application at a rate of 35 – 40 pounds per 100 square feet. No foot traffic shall be permitted on the finished coated surface for 24 - 72 hours depending on curing conditions after application.

CLEAN UP: Promptly clean hands, tools, and equipment with warm soapy water.

Product Handling:
Some separation may occur during shipment and storage, therefore the contents of each container should be thoroughly power mixed for ten (10) to fifteen (15) minutes before application. Product should never be thinned. RCS 5000 is a water-based elastomeric acrylic coating which will freeze and become unusable at temperatures below 32°F. PROTECT FROM FREEZING DURING SHIPMENT AND STORAGE. Do not store material at temperatures below 50°F.

SHELF LIFE: One year from manufactured date when stored properly.

Packaging
WEIGHT PER U.S. GALLON: 11.65 lbs.

Limitations
Do not use on surfaces demonstrating hydrostatic or high vapor pressure. This product is not intended for use in areas where ponding water may be present. Ponding water issues must be eliminated prior to the application of this coating.

General Heath & Safety Precautions
This product is intended for use by trained professional personnel. Safety Data Sheets are available and any individual who may come in contact with these products should read and understand the S.D.S. In case of emergency contact CARECHEM EMERGENCY NUMBER at (866) 928-0789.

WARNING: Avoid eye contact with the liquid or spray mist. Applicators should wear protective clothing, gloves and use protective equipment on face, hands and other exposed areas.

EYE PROTECTION: Safety glasses, goggles, or a face shield are recommended. SKIN PROTECTION: Chemical resistant gloves are recommended. Cover as much of the exposed skin area as possible with appropriate clothing. RESPIRATORY PROTECTION is MANDATORY! Respiratory protective equipment, impervious foot wear and protective clothing are required at all times during spray application. Contact Lapolla for a copy of the Respiratory Protection Program developed by OSHA. INGESTION: Do not take internally. Consider the application and environmental concentrations in deciding if additional protective measures are necessary.

DISCLAIMERS
The data presented herein is not intended for use by non-professional applicators, or those persons who do not purchase or utilize this product in the normal course of their business. The potential user must perform any pertinent tests in order to determine the product’s performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer.

All guarantees and warranties as to products supplied by Lapolla Industries Inc., shall have only those guarantees and warranties expressed in writing by the manufacturer. The buyer’s sole remedy as to any material claims will be against the applicator of the product. The aforementioned data on this product is to be used as a guide and is subject to change without notice. The information herein is believed to be reliable, but unknown risks may be present. NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING PATENT WARRANTIES OR WARRANTIES OF MERCHANTABILITY OR FITNESS FOR USE, ARE MADE BY LAPOLLA INDUSTRIES, INC. WITH RESPECT TO OUR PRODUCTS OR INFORMATION SET FORTH HEREIN.

To the best of our knowledge, the technical data contained herein is true and accurate at the date of issuance and is subject to change without prior notice. User must contact Lapolla Industries, Inc. to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Lapolla Industries, Inc.’s quality control. We assume no responsibility for coverage, performance or injuries resulting from use.