



DURA-FLEX™ RC-100

ACRYLIC LATEX WHITE ROOF COATING

PRODUCT

DESCRIPTION:

A unique coating based on a newly developed synthetic latex system consisting of two separate rubber-like polymers. Its increased flexibility, better adhesion and maintenance, and brilliant white color improve the hiding power of the coating, while reducing inside temperatures by reflecting the sun's rays.

BASIC USES:

LANCO® *Dura-Flex™ RC-100* is recommended for use on all roofing surfaces, especially concrete, asbestos, asphalt, wood and weathered metals. This product can be used either as a total roof system or for spot repair areas.

PRODUCT

ADVANTAGES:

- * Lightweight
- * Seamless water protection
- * Versatile
- * Elastic
- * High-reflective white
- * Energy-saving
- * Economic
- * Waterproof

TECHNICAL DATA

Percent Solids:	36.00 ± 1% by weight 30.00 ± 1% by volume	Finish:	Flat (5°–10°)* *Geometry 60°
Weight / Gallon:	9.13 ± 0.5 lbs.	Viscosity:	95-100 Ku's
Color:	Ultra white	Percent Pigment by Weight:	9.00 ± 1%
Flash Point:	Non-flammable		
Drying Time:	To touch: 1 hour To recoat: 24 hours	Theoretical Coverage:	Metal... 100 sq. ft./gal Wood... 100 sq. ft./gal Cement ..50 sq. ft./gal Built-up roofs ..50 sq. ft./gal General surfaces . 50 sq. ft./gal
Sizes:	5 gallons 1 gallon		
Recommended Film Thickness			
@ 100 sq. ft. / gal:	4 mils dry, 8 mils wet.		

Thinning: Do not thin, use only as it comes.

Surface Preparation: Clean the roof substrate thoroughly. Remove all foreign matter and old loose coating by sandblasting, high pressure water-blasting, or wire brushing. Kill and remove all mildew or fungus growth on the substrate. Substrate must be dry at time of application. Make sure all joints are sealed with *LANCO® Siliconizer Elastomeric Crack Filler™ RC-230* and let dry 24 hours.

Mildewed Surfaces: Any existing mildew on the surface must be completely killed and removed prior to the application of *Dura-Flex™ RC-100*. Any mildew not removed may continue to grow through the new finish. Scrub mildewed surface with a mix of one quart of household bleach and three quarts of warm water. Rinse completely and let dry.

Ponding Water Areas: Areas where ponding water lasts one day or more must be repaired using roof drains or other corrective measures before applying *Dura-Flex™ RC-100*. Less severe ponding areas must be re-coated with *Dura-Flex™ RC-100* annually.

Repairing Cracks and Seams: Cracks are basically one of the following two types:

Shrinkage cracks (smaller than 1/3"): apply a heavy coat of *LANCO® Acrylic Roof and Wall Primer/Sealer™ AS-210* over cracks and 2" to each side of it; let dry thoroughly 3 hours and apply a second coat.

Movement cracks (1/32" or bigger): pout out to 1/4" wide and 1/4" deep, clean with water, let dry and prime with *LANCO® Acrylic Roof and Wall Primer/Sealer™ AS-210* over crack and 2" to each side of it; let dry. Fill joints completely and 2" to each side of it with *LANCO® Siliconizer Elastomeric Crack Filler™ RC-230*, while wet lay *LANCO® Polyester Wave MP-997* over the cracked area and immediately reapply *LANCO® Siliconizer Elastomeric Crack Filler™ RC-230* and let dry completely for 72 hours. (Tape must be used always over areas where two surfaces meet or come together to form a seam. Seam taping gives added strength to these areas and is important to the success of your project.)

Concrete Roofs: Repair holes or any weakened areas of concrete surface with good quality masonry cement. Paint area to be repaired with *LANCO® Bonding Agent CB-950* and let dry. Add one gallon of *LANCO® Bonding Agent CB-950* to each fifty pounds of cement in the mix; apply concrete mix and let cure for one week. Apply one coat of *LANCO® Acrylic Roof and Wall Primer/Sealer™ AS-210* and let dry 4-6 hours. Apply a second coat and let it dry thoroughly. Repair cracks using *LANCO® Siliconizer Elastomeric Crack Filler™ RC-230* and *LANCO® Polyester Weave MP-997* as recommended. Apply one coat of *Dura-Flex™ RC-100*, let it dry 24 hours and apply a second coat.

Metal Roofs: Remove rust and prime with *LANCO® Metal Master™ Primer*. For galvanized metals, use *LANCO® Super Galvanized Primer™ SG-664*. Replace loose fasteners. Old fasteners must be covered with *LANCO® Siliconizer Elastomeric Crack Filler™ RC-230* and let to dry 24 hours. Apply two coats of *Dura-Flex™ RC-100*, let dry for 24 hours and apply a second coat.

Polyurethane Foam: Repair holes, cracks and indentations. Where water will collect, apply several layers of *LANCO® Siliconizer Elastomeric Crack Filler™ RC-230* to allow water to drain, and let dry 24 hours. Apply one coat of *Dura-Flex™ RC-100*, let dry for 24 hours and apply a second coat.

Built-up Roofs: Remove all loose gravel and clean roof thoroughly. Repair cracks with *LANCO® Siliconizer Elastomeric Crack Filler™ RC-230* and *LANCO® Polyester Weave MP-997* as recommended. Apply one coat of *Dura-Flex™ RC-100*, sealing completely all of the gravel; let dry 24 hours. Continue with two coats of *Dura-Flex™ RC-100*; let dry 24 hours between coats.

Asphalt Roofs: Clean surface, making sure to remove all dirt, oil and grease. Repair cracks as recommended. Apply one coat of *Dura-Flex™ RC-100*; let dry 24 hours and apply a second coat.

Asphalt Shingles: Roof must be clean and completely dry. Apply four coats of *Dura-Flex™ RC-100* at a rate of 50 sq. ft per gallon. Let dry 24 hours between coats. Be sure all tabs are completely sealed. If not, apply *LANCO® Siliconizer Elastomeric Crack Filler™ RC-230* and *LANCO® Polyester Weave MP-997* on tab joint as recommended, followed by an additional coat of *Dura-Flex™ RC-100*.

Application: Apply with a *LANCO® 3/4" Nap Rough Surface Roller PA-568* or airless spray. Wait 24 hours between coats. Apply only when temperature is above 50°F (10°C). Do not apply if temperature is expected to drop below 50°F (10°C) before the coating has completely dried. If roof is hot, spray with water to avoid sealer from drying too fast. The use of a light colorant is recommended with the first coat, to show the areas of coverage of the second coat. Always apply in different directions. Two full coats are generally needed for proper sealing. Apply coats in different directions. Never thin or dilute from full strength.

Recommended Equipment: Use an airless pump with pressure of 1,500 to 2,000 psi. A fluid delivery of 1 to 2 gallons per minutes with a spray tip of .026 to .035 will be adequate. Wait 24 hours between coats. The hoses should be at least 3/8" inside diameter and of the high pressure rate type. If the hose length is more than fifty feet, a larger inside diameter will be required.

Cleanup: Clean roller and equipment after use with warm soapy water.

Drying Time: Approximately sixty minutes to touch. Cure time is controlled by thickness of the applied coating, relative humidity and temperature. Allow 24 hours between coats.

Weather: Select a warm, clear and sunny day. Consult your weather bureau to make sure there is no forecast of rain. Do not apply after 4:00 p.m. Keep rain-free for a minimum of six hours after application.

Notice: The technical data contained herein are true and accurate to the best of our knowledge. Published technical data and instructions are subject to change without prior notice.

M.S.D.S.: Available upon request.