



Insulaflex™ RC-947

Waterproofing and Insulating Base Membrane

Description:

Insulaflex™ is a specially formulated insulating elastomeric rubber sealer that will offer a seal against water and heat, sealing and insulating in one easy step. Was developed to protect and insulate surfaces such as roofs, siding, interior walls and wooden, metal or plastic outdoor surfaces. It contains synthetic (SB) and natural rubber particles that create a completely waterproof finish while providing a thermal envelope that prevents heat buildup and lowers up to 89%* of electrical costs of mechanically cooling the structure to which it is applied.

Meets Requirements for:

ASTM D 6083:	Yes
Energy Star:	N/A
Miami-Dade County:	N/A
VOC Compliant (<100 g/L):	Yes
SCAQMD:	N/A
AIM & OTC:	N/A

Product Advantages:

- Creates a thermal barrier to reduce heat
- No need of other primers for its application
- Excellent to use with quality white coatings
- May be reinforced with polyester mesh
- Low odor
- Low V.O.C., volatile organic compound (<50g/L)
- Protects against moisture and leaks

Uses:

Insulaflex™ is to be used as a base roofing membrane and/or to embed the Polyester Fabric Mesh to increase reinforcement in waterproofing and roofing substrates like modified asphalt membranes, built-up roofs, polyurethane foam, concrete surfaces, bonded tar, granulated shingles EPDM and TPO. Always have to be protected from UV radiation.

Technical Data:

Product Type:	Styrene Butadiene
Solids (%):	62 ± 2% by weight 57 ± 2% by volume
Weight/Gallon:	9.55 ± 0.05lbs. (4.33 ± 0.02kg.)
Color:	Gray
Drying Time: ASTM D1640	To touch: 30-60 min To recoat: 2-4 hrs
Coverage:	
On Concrete:	50 ft. ² /gal. (7.4 m ² /gal.) @ 11 dry mils, 20 wet mils
Can Sizes:	5 gallons 1 gallon
Thinning:	Is not recommended
Flash Point:	Non-flammable
Viscosity:	120 - 125 KU's
Percent Pigment by Weight:	24 ± 2%
VOC:	4 g/L

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.

S.D.S.: Available upon request.

Surface Preparation:

Surface must be clean, sound, and free of dust or loose material. Remove all debris and old loose coatings by means of high-pressure water blasting or wire brushing. Any existing mildew on the surface must be completely killed and removed prior to the application of this product. Scrub mildewed surface with a mixture of 1 quart of household bleach with 3 quarts of warm water. Rinse completely and let dry.

Roofing System Recommendations:

When used as a stand-alone product in the roofing system apply Insulaflex™ at a rate of 80ft.²/gal.

When used in combination with Polyester Fabric Mesh FM-222 apply Insulaflex™ to embed the polyester fabric at a rate of 40ft.²/gal.

In roofs with polyester mesh:

- 1st coat + mesh: Insulaflex™ 40 ft.²/gal.
Install mesh and press down to saturate.
- 2nd coat: Urethimizer™ 40 ft.²/gal.

In roofs without polyester mesh:

- 1st coat: Insulaflex™ 80 ft.²/gal.
- 2nd coat: Urethimizer™ 50 ft.²/gal.
- 3rd coat: Urethimizer™ 50 ft.²/gal.

Application Recommendations:

For other applications use the recommended spreading rate of 80 ft.²/gal. Please consult technical Roofing & Waterproofing Solutions/ Specifications system procedures for specific application.

Weather: Select a warm clear day for installation. Consult weather bureau if needed to ensure there is no forecast of rain. Do not apply product after 4:00PM. Product must be kept rain free for at least 6 hours after application.

Water ponding areas: Areas where water may accumulate for more than 48 hours must be corrected by using roof drains or other means available. If surface level corrections must be made, use Lanco® Ultra Level™ UL-221 self-leveling underlayment or a cement mix with Lanco® Concrete Admixture CB-9000. See Ultra Level™ UL-221 product specifications.

Repair joints, cracks and seams: Make sure joints, cracks, seams and flashing are clean and dry. With a brush apply Insulaflex™ and a polyester weave over cracks, seams, flashing and around any standing objects about 2 inches to both sides, and let dry thoroughly 24 hours. Lanco Polyflex one-part urethane should be used instead.

Concrete surfaces: Repair holes or any weakened areas of concrete surface with good quality masonry cement mix using Lanco® CB9000 or CB4000 Admixture, or Lanco® Bonding Agent CB-950 as per product data application instructions and let dry. Apply concrete mix and let to cure.

Metal surfaces: Remove rust and prime non-galvanized metals 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 or Lanco Polyflex one-part urethane, and let to dry for 24 hours.

Polyurethane foam roofs: Make sure surface is in good conditions, free of holes and cracks. If it's in optimum conditions proceed with application. Do not use over other 100% Silicone coatings.

Asphalt membrane and built-up roofs: Remove all loose mineral gravel and clean roof thoroughly. Repair cracks or joints with Lanco® Insulaflex™ and Lanco® Polyester Weave MP-997, apply one coat of Lanco® Insulaflex™ to the entire roof and let dry 24 hours to proceed. Do not use on pebbles gravel roofs.

Asphalt shingles: Roof must be clean and completely dry. Apply 2 coats of Lanco® Insulaflex™ at a rate of 60 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® High Strength Polyester Weave MP-997 on tab joint and let dry 24 hours to proceed.

Method of 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. Two full coats are generally needed for proper sealing. Always 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 minute with a spray tip of 0.026 to 0.035 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 60 minutes to touch. Cure time is controlled by thickness of the applied coating, relative humidity and temperature. Allow 24 hours between coats.

Limited warranty: The manufacturers liability in connection with the sale of this product extends only to the replacement price if it should fail to comply with quality standards or specifications. Protect from freezing.

Warning!: Do not allow product to freeze. Do not store in temperatures above 105°F. Protective clothing and eyewear should be used during application of this product. Ensure that lid is tight and pail is upright and secure before transporting. Do not allow pail to roll as this may cause lid to loosen and allow leakage to occur. Transport product placed on top of a protective cloth in cargo area of vehicle to prevent damage from accidental spills.

Cautions: Contains styrene butadiene and acrylic resin. In case of eye contact, flush thoroughly with water. Do not rub eyes. In case of skin contact, flush area immediately with clean water. If swallowed, do not induce vomiting. Consult a physician immediately. Use only with adequate ventilation. Keep out of reach of children.

