



# Urethanizer™ RC-994

## 100% Acrylic-Urethane Ceramic Rubber Top Membrane

**Description:**

Urethanizer™ is a 100% acrylic + urethane blend of high performance components, urethane ceramic rubberized elastomeric roof and wall membrane sealer. A highly durable, fiber reinforced roof coating with superior adhesion properties. The ceramic composition of this product will significantly lower interior temperature of structures by reflecting 79% of the sun's rays and reducing heat by 89%. Urethanizer™ will not crack, crumble or peel off, withstanding severe weather and total joint movements. It will provide a seamless, waterproof and weather protective seal tightly adhered to the roof surface.

**Meets Requirements for**

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

**Product Advantages:**

- 100% Acrylic + Urethane + Ceramics
- Fibers reinforced for a high tensile strength
- Energy Star® certified for cool roofs
- Miami Dade County approved
- Excellent wind uplift resistance
- Excellent dirt pick-up resistance
- Low V.O.C., volatile organic compound, and non-flammable

**Performance:**

|                                   |            |
|-----------------------------------|------------|
| Tensile Strength<br>ASTM D 2370   | 304 PSI    |
| Elongation<br>ASTM D 2370         | 185%       |
| Elongation<br>ASTM D 2330         | N/A        |
| Water Permeability<br>ASTM D 1653 | 30.8 perms |
| Solar Reflectance<br>ASTM C 1549  | 82%        |

**Uses:**

Urethanizer™ has proven its outstanding properties during adhesion-in-peel testing, exceeding every standard as per ASTM C794 specifications over a variety of substrates like modified asphalt membranes, built-up roofs, polyurethane foam, concrete surfaces, aged galvanized metal, bonded tar and granulated shingles.

**Technical Data:**

|                               |  |
|-------------------------------|--|
| Product Type:                 | 100% Acrylic and Urethane  |
| Finish:                       | Flat (5° - 10°)<br>*Geometry 60°   |
| Solids (%):                   | 85 ± 2% by weight<br>80 ± 2% by volume   |
| Weight/Gallon:                | 11.49 ± 0.05lbs.<br>(5.22 ± 0.02kg.)   |
| Color:                        | Applies blue and dries Ultra White   |
| Drying Time:<br>ASTM D 1640   | To touch: 60 min<br>To recoat: 24 hrs  |
| Coverage:                     |  |
| Theoretical:                  | 12.82 ft. <sup>2</sup> /gal.   |
| On Concrete:                  | 75 ft. <sup>2</sup> /gal.<br>(7 m <sup>2</sup> /gal.) @<br>17 dry mils, 21 wet mils    |
| On Metal:                     | 150 ft. <sup>2</sup> /gal.<br>(14 m <sup>2</sup> /gal.) @<br>8.6 dry mils, 11 wet mils |
| Can Sizes:                    | 5 gallons<br>1 gallon  |
| Thinning:                     |  |
| Flash Point:                  | Is not recommended   |
| Viscosity:                    | Non-flammable<br>120 - 125 KU  |
| Percent Pigment<br>by Weight: | 38 ± 2%  |
| VOC:                          | <50 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.

F.D.S.: Available upon request.

**Energy Saving:**

Urethanizer™ is an Energy Star certified roof coating that will provide an energy efficient structure for many years, dramatically lowering internal temperature, thus requiring less energy consumption for cooling. Test results in three major US cities show that Urethanizer™ will provide an initial solar reflectance of 79% with maintained average reflectance after 3 years of 82% (ASTM C 1549) and the elimination of 89% (ASTM C 1371) of all heat received.

After 3 years of service, side by side comparison shows the superiority of Urethanizer™, as a white reflective coating, over other acrylic copolymer or elastomeric coatings.

**Surface Preparation:**

Make certain the roof substrate is thoroughly clean and dry. Remove all debris and old loose coatings by means of high-pressure water blasting, scraping 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 Dry Coat Surface Cleaner. Rinse completely and let dry. Surface should not accumulate water for more than 48 hours. Coat entire roof deck with Acry Primer Seal AS-211, at a rate of 250 ft.<sup>2</sup>/gal., if necessary. This surface primer is specially designed to penetrate concrete, seal surface porosity and waterproof roof decks.

**Coverage:**

|                |   |
|----------------|---|
| Metal Roofs    | 150 ft. <sup>2</sup> /gallon (14m <sup>2</sup> /gal.)<br>11 wet mils/ 8.6 dry mils per coat (17.2 total dry mils) |
| Wood Surfaces  | 150 ft. <sup>2</sup> /gallon (14m <sup>2</sup> /gal.)<br>11 wet mils/ 8.6 dry mils per coat (17.2 total dry mils) |
| Concrete Roofs | 75 ft. <sup>2</sup> /gallon (7m <sup>2</sup> /gal.)<br>21 wet mils/ 17 dry mils per coat (34 total dry mils)      |
| Asphalt Roofs  | 75 ft. <sup>2</sup> /gallon (7m <sup>2</sup> /gal.)<br>21 wet mils/ 17 dry mils per coat (34 total dry mils)      |
| Polyurethane   | 75 ft. <sup>2</sup> /gallon (7m <sup>2</sup> /gal.)<br>21 wet mils/ 17 dry mils per coat (34 total dry mils)      |

Coverages on this table may vary for commercial Roofing System to be used. Consult the Roofing & Waterproofing Solutions/Specifications Manual for details.

