



THERMAL CONTROL ROOF COATINGS MANUFACTURER



## **DURACOOOL PRODUCT DATA**

### **100% ACRYLIC WHITE ELASTOMERIC THERMAL CONTROL ROOF COATING**

#### **PRODUCT DESCRIPTION:**

**DURACOOOL** is a white mastic coating, made with superior elastomeric polymers. The product contains strong rust inhibitors, when used in conjunction with rust primer it is suitable for application on metal roof with varying degrees of rust.

#### **RECOMMENDED USES:**

**DURACOOOL** is designed for use on the following types of roofs: metal, EPDM, TPO, Hypalon, smooths BUR, single ply membranes, wood, shingles, concrete, foam, bricks, asphalt, and aluminum coatings.

#### **PRODUCT FEATURES:**

Water based coating makes it easy to use, easy clean-up, non-toxic, VOC compliant, non-flammable.  
Excellent adhesion to various substrates.  
Highly flexible, even at low temperatures.  
Will not crack, peel or flake over the life of the product.  
Contains strong rust inhibitive pigments.  
Excellent resistance to dirt pick-up helps it stay white longer and maintain reflectivity.  
Reflects 90% of the heat and UV rays from the sun.  
Excellent reflective properties reduce cooling costs.

#### **SURFACE PREPARATION:**

All surfaces to be coated must be clean, dry and free of oil, grease, or dirt. High-pressure water washing with Duracool Roof Wash is suggested. Previously present coating must be checked for good adhesion. Any loosely adhering coating must be removed and bare surface must be prepared by cleaning and checked for compatibility, before coating.

#### **APPLICATION PROCEDURE:**

**DURACOOOL** is ready to use. Thinning is not required or recommended and can be applied with:  
Brush: A good quality synthetic or nylon bristly brush.  
Roller: Long nap roller is recommended.  
Spray: Airless spray equipment, spray tip #631, 2 gpm capacity.

**LIFE EXPECTANCY:** 12-15 Years

**SIZES AVAILABLE:** 5 gallons Bucket, 55 gallons Drums, 275 gallons tote.

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### DURACOOOL TECHNICAL DATA

<b>Color:</b>	White and other colors available on request (ASTM D-562)
<b>Viscosity:</b>	95 – 105 KU, 77° F.
<b>Specific Gravity:</b>	1.44
<b>PH:</b>	8.6 ± 0.2
<b>Percent Solids by weight:</b>	67 ± 2% (ASTM D-1533)
<b>Flash Point:</b>	None to boiling
<b>Hardness, Shore A:</b>	55 – 65 (ASTM D-2240)
<b>Tensile Strength at break:</b>	250 psi at 70° F. 440 psi at 0° F. (ASTM D-412)
<b>Tensile Elongation at break:</b>	550% at 75° F. 350% at 0° F. (ASTM D-412)
<b>Permeability:</b>	5 perms/inch. 20 mils thick. (ASTM E-398)
<b>Flammability:</b>	Equal or better than products with Flame Spread Index 15 (ASTM E-162) UL 790 rating on Class A Roof Deck Factory Mutual Class 1 over existing Class 1BUR system.
<b>Service Temperature:</b>	-30° to 180° F.
<b>Coverage:</b>	1.0 gallon per 100 sq. ft. yields 10 mils dry. 2.0 gallons per 100 sq. ft yields 20 mils dry.
<b>Recommended Coverage:</b>	Two coats (20 mils) dry thickness.
<b>Minimum Application Temp.</b>	45° F. DO NOT ALLOW PRODUCT TO FREEZE.
<b>Drying Time:</b>	3 hours at 70° F., 50% RH, to sustain foot traffic.
<b>Available:</b>	5 gallons buckets/55 gallons drums.

**CAUTION:** Do not apply within 2 hours of darkness, rain, fog or freezing temperatures.

**DURACOOOL** must be completely dry before exposing to water or foot traffic.

Keep **DURACOOOL** containers covered when not in use. Dispose of containers in accordance to state and local environmental regulations. Keep away from children. If ingested, do not induce vomiting. Call a physician immediately.

Our technical data and suggestions are based on information from laboratory and field testing which we believe to be reliable and correct; however, accuracy and completeness of said tests are not guaranteed and not to be construed as a warranty, either expressed or implied. Since the use of the material is beyond our control. Buyer assumes all risks whatsoever as to their use or results obtained, user assumes all risks and liability resulting from the use of the product. We guarantee our products to conform to Duracool quality control. Duracool warrants only the standard quality of material. Manufacturer's sole responsibility shall be to replace that portion of the product of this manufacture which proved to be defective.

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