



PREMICOTE™ 1400

TECHNICAL DATA

Acrylic Coating
For Professional Use Only

Tensile Strength:	290 psi ± 25	ASTM D-2370
Elongation:	235 % ± 25	ASTM D-2370
Perms:	17	ASTM D-1653
Solids (By Volume):	55 % ± 2	ASTM D-2697
Solids (By Weight):	68 % ± 2	ASTM D-1644
Density:	12.0 lbs . gal	ASTM D-1475
VOC:	>(ASTM D- 50 g/liter	(Method 24)
Flash Point:	>212 degrees F.	ASTM D-1310
Low Temp Flex:	Passes 180° Flex over ½. Mandrel @-15°F (-26°C)	ASTM D-522
Cure Time:	24 Hours, depending upon temp & humidity	
Dry Time:	5 hour at 75°F.% 50% rh	
Surface Burning:	Flame Spread Index 15 Smoke developed Index 15	ASTM E-84
Shelf Life:	6 months in Sealed containers	ASTM C-1549
Solar Reflectivity:	0.88	ASTM C-1371
Emissivity:	0.90	ASTM C-1980
SRI:	111	ASTM D-624
Temperature Limit:	0°F. to 185°F.	

Premium Spray Products

At Premium Spray Products we are dedicated to providing quality products that add true value through long term performance and ease of use.

We manufacture a variety of Spray Polyurethane Foam products and protective coatings that are used in both the residential and commercial markets. Our Spray Polyurethane Foam is manufactured for a variety of uses that include residential and commercial building insulation, exterior roofing and poured in place foam for industrial applications.

All polyurethane chemical systems are not created equal. The chemistry makes a big difference. Our formulations are carefully designed to provide our customers with systems that are superior in their processing and application performance.

Homeowners, building owners and end users demand performance that includes affordability, reliability, comfort and ease of use. At Premium Spray Products, Inc. we meet these demands through a daily commitment to quality, technology, service and support for our valued customers.

Product Information

PRODUCT TYPE: Material is a plasticizer free **100% acrylic**, single component, waterbased, premium quality elastomeric coating for spray, brush, or roller application.

GENERAL PROPERTIES: This product has been formulated to retain its flexibility over the long term. Highest quality ingredients and attention to detail during manufacture result in an exceptional quality product that will protect and preserve nearly any substrate. These ingredients along with high levels of UV resistant pigments result in a coating that is brighter than many other acrylic coatings. A proven, long lasting biocide package also contributes to the long term color retention. This coating has the unique ability to provide a membrane that is not only watertight but also breathable allowing the escape of any trapped moisture vapor from the substrate.

RECOMMENDED USES: This product is intended to be used as a universal roofing and wall coating. It has excellent adhesion to many substrates including polyurethane foam, concrete, masonry, primed metal and primed wood. When used with a suitable base coat it is an exceptional protective coating for most single ply roofing membranes. Contact Premium Spray Products for specific application information.

PRODUCT LIMITATIONS: This coating is waterbased and requires evaporation of the water in order to cure. Low temperatures and high humidity will slow this process. Do not apply this coating if there is any moisture on the substrate or there is any risk of precipitation or heavy dew before the material is completely cured. Material is not intended for ponded water applications. Applications where there is a risk of vapor drive, such as cold storage and refrigerated tank applications should only be made in conjunction with a suitable vapor barrier. This material is not intended for use as a thermal barrier.

PONDING WATER:

- Premium Spray Products, Inc., warranties do not cover damage due to ponding water.
- The National Roofing Contractors Association considers ponding water on any roof unacceptable. (See the NRCA Roofing and Waterproofing Manual).

Please consult the Premium Spray Products technical department for specific application questions for this product.

RATINGS: This product has achieved a UL Class A rating over a combustible deck when tested in accordance with UL790

Passes Requirements of ASTM D-6083 Standard for Acrylic Roof Coatings

Standard Colors

FINISH: White – Satin Gloss; **Topcoats Available in:** White, Light Grey and Tan;

Basecoat: Basecoat formulation available with better adhesion and recoatability. (Available in Gray and Ivory).

Special colors available upon request at an additional charge. Allow additional manufacturing time for non-standard colors.

Ordering Information

PRODUCT IS AVAILABLE IN:

- 5 Gallon Pails (18.9 Liters)
- 55 Gallon Drums containing 55 Gallons of material (208.2 Liters)

SHIPPING INFORMATION:

Container Size	Class Rating
5 Gallon	55
55 Gallon	55

D.O.T. CLASSIFICATION: Roof Coating – Not Regulated

HMIS® RATING: Health 1, Flammability 0, Reactivity 0, Protection X
(0 = Minimal, 1 = Slight, 2 = Moderate, 3 = Serious, 4 = Severe)



To the best of our knowledge, all technical data contained herein is true and accurate as of the date of issuance and subject to change without prior notice. User must contact Premium Spray Products to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Premium Spray Products. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of the product. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY PREMIUM SPRAY PRODUCTS EXPRESSED OR IMPLIED; STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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Experience the
Premium Difference

Application Instructions

Application Conditions

TEMPERATURE: 50° F and rising

RELATIVE HUMIDITY: Do not apply when the temperature can fall to within 5 degrees of the dew point within 6 hours, or when the temperature could fall below 32° F within a 24-hour period after application. Late afternoon is not recommended if high humidity conditions exist, which could cause high moisture condensation on the surface overnight.

RECOMMENDED APPLICATION RATE PER COAT:

Wet Mil	16-24 wet mils
Dry Mil	8-12 dry mils
Coverage	0.5 – 1.50 gal/sq

NOTE: Brush, roller, or spray applications may require multiple coats to achieve desired thickness.

DRYING SCHEDULE @ 8.0 MILS WET @ 50% RH:

	50° F	77° F	100° F
To Touch	1.5 hrs.	1 hr.	30 min
Tack Free	4 hrs.	1 hr.	30 min
To Recoat	8 hrs.	4 hrs.	2 hrs.
To Cure	30 days	20 days	10 days

Application Procedures

BRUSH

- Use nylon or polyester brushes. Do not over brush or apply too heavily.
- Heavy applications will slump on vertical surfaces.

ROLLERS

- Use 12, 18, or 24-inch rollers for back-rolling large areas. Use ½ inch to 1 ½ inch nap high-grade synthetic heads with phenolic cores. Rapid rolling will splatter and may become airborne on higher buildings.

SPRAY GUN

- Pressure: 3000 psi at 2.5 – 3.0 gal/min for high volume
- Tip: .017–.029 reversible, self-cleaning, with 40-50° fan angle
- Gun: Standard Contractor gun – no filters
- Extension: 12 inch wand extension recommended
- Line: 3/8 inch minimum I.D. spray hose for rated pressure

Application of Premicote™ 1400 above or below minimum recommended spreading rate might adversely affect coating performance.

Safety Precautions

- Installers should read and understand all technical and informational literature on Premicote™ 1400, including the Material Safety Data Sheets, prior to using this product.
- Designed for professional installation, caution should be exercised to prevent mishap due to improper handling.

Published technical data and instructions are subject to change without notice. Contact your Premium Spray Products, Inc. Representative for additional technical data and instructions.

Cleanup Instructions

- Clean spills and spatters immediately with water.
- After cleaning with water, flush spray equipment with mineral spirits to prevent rusting of equipment.

Performance Tips

- POWER MIX BEFORE USING.
- Premicote™ 1400 may be applied directly to any clean, dry surface.
- Premicote™ 1400 may be sprayed, brushed, or rolled.
- When spraying the product, pay special attention to overspray that may texturize adjacent surfaces. Wind direction should be toward the applicator. The over spray will discolor and show dirt faster. Applications should be approached while keeping a wet edge for best results.
- When spraying with high-pressure hose, a 3/8" ID gun hose whip and swivel with adequate working pressure and appropriate lining or tube is recommended.
- Polyurethane foam should be coated within 24 hours of application. Subsequent coats should be applied within 24 hours or prior applications to insure full and uniform adhesion.
- Before applying a subsequent coat of this product, the previous coat must be completely dry and cured.
- If any contamination of a thoroughly cured surface occurs, it must be washed with a chemical cleaner before applying subsequent coats.
- Applications by hand can be done with squeegees and rollers. Use 1/8" for .75-1.0 gal/sq and 3/16" for 1.25-1.5 gal/sq. Back-roll with 0.5-.75" solvent-resistant rollers. Material can be brushed on metal roofs using soft split bristle nylon brushes. Pour or pump material in the center of the rib and brush into surface. Make a final pass across the entire rib to remove brush marks.
- Premicote™ 1400 is supplied ready to use. Thinning not normally needed or recommended.
- Because both colder temperatures and high humidity retard the curing process, there must not be any moisture present on the surface at all.
- Premium Spray Products, Inc. does not recommend application on flat roofs where ponding water is present over 48 hours after rainfall or during late afternoon hours when conditions are conducive to high moisture condensation.

Please call Premium Spray Products for any specific questions regarding the application of this product.

Your Local Authorized Contractor



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