

# TECHNICAL DATA SHEET

Material Specification Criteria | Project Submittal Data



## PREMICOTE 1600

### ACRYLIC COATING

PremiCote 1600 is a plasticizer free 100% acrylic, single component, water based, high performance elastomeric coating for spray, brush, or roller application.

**RECOMMENDED USES:** This product is intended for use as a universal tank, 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 Accella Polyurethane Systems, LLC for specific application information.

**PRODUCT LIMITATIONS:** This acrylic coating is water based and must be stored and used to prevent from freezing at 32°F (0°C). Do not apply when inclement weather is imminent. Curing is necessary prior to precipitation to avoid washing off the coating or affecting adhesion or physical properties. Do not apply if temperature will drop below 50°F (10°C) within 1-2 hours. The acrylic coatings stop curing below 50°F. Do not apply when the relative humidity is in excess of 85%. Avoid applying late in the day when conditions for dew and condensation are imminent. 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:** 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). For additional assistance please contact the Premium Spray Products Technical Services dept. of Accella Polyurethane Systems, LLC. at (770) 607-0755.

### TYPICAL PHYSICAL PROPERTIES:

PROPERTY	PREMICOTE 1600	TEST
TENSILE STRENGTH	290 psi ± 25	ASTM D 2370
ELONGATION	235% ± 25	ASTM D 2370
PERMS	17	ASTM D 1653
SOLIDS (BY VOLUME)	50% ± 2	ASTM D 2697
SOLIDS (BY WEIGHT)	63% ± 2	ASTM D 1644
DENSITY	11.4 lbs / Gallon	ASTM D 1475
VOC	> 50 gal/liter	Method 24
FLASH POINT	> 212°F	ASTM D 1310
LOW TEMP FLEX ABILITY	Passes 180° Flex over ½ Mandrel @ -15°F (-26°C)	
CURE TIME	24 Hours depending upon temp. & humidity	
DRY TIME	5 Hrs. at 75°F (50% RH)	
SURFACE BURNING	Flame Spread Index 15 Smoke developed Index 20	ASTM E 84
SHELF LIFE	12 months in property sealed containers	
UL LISTING	This product has achieved a UL Class A rating over a combustible deck when tested in accordance with UL 790.	
ASTM D 6083	Passes requirements of ASTM D 6083 Standard for Acrylic Coatings	

**GENERAL PROPERTIES:** PremiCote 1600 has been formulated to retain its flexibility over the long term. Highest quality ingredients and attention to detail during manufacture result in a 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 more durable than many other acrylic coatings. 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.

STANDARD COLORS / PACKAGING	
PREMICOTE 1600	AVAILABLE COLORS Black
PRODUCT PACKAGING	AVAILABLE IN 5 Gallon Pails 55 Gallon Drums

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**MATERIAL HANDLING:** Installers should read and understand all technical and informational literature on PremiCote 1600, including the Safety Data Sheets, prior to using this product. PremiCote 1600 is designed for installation by a professional application company. Caution should be exercised to prevent mishap due to improper handling. Published technical data and instructions are subject to change without notice. For additional assistance please contact the Premium Spray Products Technical Services dept. of Accella Polyurethane Systems, LLC. at (770) 607-0755.

**PROPER STORAGE OF RAW MATERIALS:** Material storage temperatures should be 70°-85°F (21°-30°C) for several days prior to use and should not exceed 90°F (32°C). Cold materials can cause poor mixing, pump cavitations or other process problems due to higher viscosities at lower temperatures. Do not store where the containers will be exposed to rain, snow or high heat. Keep containers tightly closed when not in use and under dry air or nitrogen pressure of 1-2 psi after they have been opened. Shelf life of B-component is twelve months from date of manufacture and shelf life of A-component is one year from date of manufacture when stored per recommended temperatures and conditions.

**TECHNICAL ASSISTANCE:** For additional assistance please contact the Premium Spray Products Technical Services dept. of Accella Polyurethane Systems, LLC. at (770) 607-0755.

**DISCLAIMER:** 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 Accella Polyurethane Systems, LLC to verify correctness before specifying or ordering. We guarantee our products to conform to the quality control standards established by Accella Polyurethane Systems, LLC. 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

### APPLICATION GUIDELINES:

**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

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

#### ROLLERS

- Use 12, 18, or 24-inch rollers for back-rolling large areas. Use ½ inch to 1½ 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 1600 above or below minimum recommended spreading rate might adversely affect coating performance.



#### MANUFACTURED BY:

ACCELLA POLYURETHANE SYSTEMS, LLC  
100 Enterprise Drive – Cartersville, GA 30120  
(770) 607-0755 • PremiumSpray.com

#### EMERGENCY NOTIFICATIONS:

CHEMTREC : Material Leaks, Spills  
or Fire (800) 424-9300



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SPRAY PRODUCTS CANADA  
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190 Hodsman Road, Regina, SK  
(306) 721-1339  
www.PremiumSprayCanada.ca