

# TECHNICAL DATA SHEET

Material Specification Criteria | Project Submittal Data



## PREMICOTE™ 1400

### ACRYLIC COATING

PremiCote™ 1400 is a plasticizer free 100% acrylic, single component, water-based, premium quality elastomeric coating for spray, brush, or roller application.

**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 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 Technical Services dept. of Accella™ Polyurethane Systems, LLC. at (844) 922-2355.

STANDARD COLORS / PACKAGING	
<b>PREMICOTE™ 1400 BC - BASE COAT</b> Base coat formulation is available. Provides excellent adhesion and recoatability.	<b>AVAILABLE COLORS</b> Gray, Ivory
<b>PREMICOTE™ 1400 TC - TOP COAT</b>	<b>AVAILABLE COLORS</b> White, Light Gray, Tan
<b>PRODUCT PACKAGING</b>	<b>AVAILABLE IN</b> 5 Gallon Pails 55 Gallon Drums

## TYPICAL PHYSICAL PROPERTIES:

PROPERTY	PREMICOTE™ 1400	TEST
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 lbs/Gallon	ASTM D 1475
VOC	< 50 grams/liter	(Method 24)
FLASH POINT	> 212 degrees F	ASTM D 1310
LOW TEMP FLEX	Passes 180° Flex over ½ Mandrel @ -15°F	ASTM D 522
CURE TIME	24 Hrs. depending upon temperature & humidity	
DRY TIME/RECOAT TIME	2-5 Hrs. at 75° F & 50% RH	
SURFACE BURNING	Flame Spread: 15 - Smoke Development: 15	ASTM E-84
SHELF LIFE	12 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	
UL LISTING	This product has achieved a UL Class A rating over a UL noncombustible deck and a Class B 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	

# PREMICOTE™ 1400

## ACRYLIC COATING

**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.

**MATERIAL HANDLING:** Installers should read and understand all technical and informational literature on PremiCote™ 1400, including the Safety Data Sheets, prior to using this product. PremiCote™ 1400 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 Technical Services dept. of Accella™ Polyurethane Systems, LLC. at (844) 922-2355.

**PROPER STORAGE OF RAW MATERIALS:** Material storage temperatures should be 40°-80°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 cavitation 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 conditions. Shelf life is 12 months.

**TECHNICAL ASSISTANCE:** For additional assistance please contact the Technical Services dept. of Accella Polyurethane Systems, LLC. at (844) 922-2355.

**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 ACCELLA™ 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.

Wet Mil	16-24 wet mils
Dry Mil	9-13 dry mils
Coverage	0.5 – 1.50 gal/sq

multiple coats to achieve desired thickness.

### 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™ 1400 above or below minimum recommended spreading rate might adversely affect coating performance.



### MANUFACTURED BY:

ACCELLA™ POLYURETHANE SYSTEMS, LLC  
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### EMERGENCY NOTIFICATIONS:

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

