

# TECHNICAL DATA SHEET

Material Specification Criteria | Project Submittal Data



## PREMICOTE 1650

### ACRYLIC COATING - METAL ROOF RESTORATION

PremiCote 1650 is a plasticizer free, 100% acrylic, single component, bleed blocking, water based, premium quality elastomeric coating for spray, brush, or roller application over most roofing surfaces including metal, single ply and fabric surfaced asphalt emulsions.

**RECOMMENDED USES:** This product is intended for use as a highly reflective protective coating for most roofing substrates. May be used over metal, granulated cap-sheet and fabric-surfaced asphalt emulsion. Contact Premium Spray Products for specific application information.

**PRODUCT LIMITATIONS:** This coating is water based 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:** 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) 528-9556.

STANDARD COLORS / PACKAGING	
<b>PREMICOTE 1650 BC - BASE COAT</b> Base coat formulation is available. Provides excellent adhesion and recoatability.	<b>AVAILABLE COLORS</b> Gray
<b>PREMICOTE 1650 TC - TOP COAT</b>	<b>AVAILABLE COLORS</b> Light Gray
<b>PRODUCT PACKAGING</b>	<b>AVAILABLE IN</b> 5 Gallon Pails 55 Gallon Drums

### TYPICAL PHYSICAL PROPERTIES:

PROPERTY	PREMICOTE 1650	TEST
TENSILE STRENGTH	300 psi ± 25	ASTM D 2370
ELONGATION	304% ± 25	ASTM D 370
PERMS	4	ASTM D 1653
SOLIDS (BY VOLUME)	55% ± 3	ASTM D 1644
SOLIDS (BY WEIGHT)	69% ± 3	ASTM D 370
DENSITY	11.65 lbs / Gallon	ASTM D 370
VOC	< 50 gal/liter	Method 24
FLASH POINT	> 212°F	ASTM D 1310
TEMPERATURE LIMIT	0°F to 185°F	
LOW TEMP. FLEXIBILITY	Passes 180°Flex over ½ Mandrel @ -30°F (-1°C)	ASTM D 522
CURE TIME	24 hours depending upon temp. & humidity	
DRY TIME	5 Hrs. at 75°F (50% RH)	
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 1650 has been formulated for maximum adhesion to most roof surfaces and to provide maximum bleed through resistance over asphaltic surfaces. Adhesion to fabric covered emulsions and granule surfaces is tenacious. Material is developed for maximum water resistance using the highest quality ingredients and attention to detail during manufacturing. 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.

# PREMICOTE 1650

## ACRYLIC BASE COAT - ASPHALT SURFACES



**MATERIAL HANDLING:** Installers should read and understand all technical and informational literature on PremiCote 1650, including the Safety Data Sheets, prior to using this product. PremiCote 1650 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) 528-9556.

**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 six 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) 528-9556.

**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 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.

### 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.



### MANUFACTURED BY:

ACCELLA POLYURETHANE SYSTEMS, LLC  
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### EMERGENCY NOTIFICATIONS:

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

### 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 1650 above or below minimum recommended spreading rate might adversely affect coating performance.



**PREMIUM**  
SPRAY PRODUCTS  
An Accella Brand