



PREMICOTE™ IB

FIRE RETARDANT ACRYLIC COATING

PHYSICAL PROPERTY	TYPICAL VALUE	ASTM TEST METHOD
Specific Gravity:	1.29	
Weight per Gallon:	10.8 lbs.	
Viscosity:	8,000 - 12,000 cps	
Solids Content By Weight:	63% (+ 2)	ASTM D-1644
Solids Content By Volume:	57% (± 2)	ASTM D-2697
VOC:	< 50 Grams / Liter	EPA Rule Method 24
Maximum Continuous Service Temperature	185 °F (85 °C)	
Flash Point:	None to 212 °F	ASTM D-1310
Cure Time:	24 Hours, depending upon temperature and humidity.	
Drying Time: White	2 to 4 hrs to touch 8 to 12 hours full cure (UNOPENED CONTAINERS):	Dependent upon relative humidity
Shelf Life:	6 months when stored between 45°F. and 75°F	
Average Coverage Application Rate:	1 Gal per 100 Sq. Ft.	9.12 mil Dry Film Thickness

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: A single component, water-based, air dry, fire retardant coating. Product is designed for applications where a low smoke index is necessary, because it seals off and protects the potentially combustible surface from flame.

RECOMMENDED USES: This product uses its intumescent properties to protect many substrates from fire or spread of flame. May be applied to many different surfaces, including foam, wood, plastic, or cement. Some possible uses for this product include roofing systems, which require UL 790 certification. Tub/showers which require low flame/smoke generation. As an undercoating for a spray polyurethane foam insulated spa which would protect the foam from exposure and any surfaces that must be UL Section E84 approved. This product is designed for interior application, and therefore must be top-coated when used out of doors.

COMPLIANCE: Underwriters Laboratory, Inc. 723 (ASTM E 84), Classification Coating, Fire Retardant (BMQX).

Surface Tested / Douglas Fir:

- Flame Spread 10
- Smoke Development 25
- Tested at 1 Gallon per 100 SF



Fire retardant coatings classified by Underwriters Laboratories, Inc.® Surface Burning Characteristics 55P3

STORAGE REQUIREMENTS: This product is water-based and must be protected from freezing. DO NOT apply or store in freezing conditions (less than 32°F).

THIS MATERIAL DOES NOT QUALIFY AS A 15 MINUTE THERMAL BARRIER

Standard Colors

PRODUCT IS AVAILABLE IN: White

Ordering Information

PRODUCT IS AVAILABLE IN:

- 5 Gallon Pails (19 Liters)
- 55 Gallon Drums that contain (208 Liters)

SHIPPING INFORMATION:

Container Size	Class Rating
5 Gallon	55
55 Gallon	55

D.O.T. CLASSIFICATION: Acrylic Coating, Not Regulated

HMSIS® RATING: Health 1, Flammability 0, Reactivity 0, Protection X

To the best of our knowledge, all technical data contained herein is true and accurate as of the date of the issuance and subject to change without prior notice. User must contact Premium Spray Products to verify correctness before specifying or ordering. We guarantee our product 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 CFS EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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Application Instructions

Surface Preparation

All surfaces to be coated must be clean, dry, and paintable. It may be necessary to power wash and/or prime to enhance adhesion. See application specification for more details.

Mixing Procedures

No thinning or reducing is necessary. Product may separate after shipping and storage, though it may still look mixed. When mixing becomes necessary we recommend the use of a 3/4 horsepower or larger electric or air operated mixer with a blade capable of uniformly mixing the entire container. When product is in 5 gallon pails, use a 3" minimum diameter mixing blade. When product is in drums, use a 6" minimum diameter mixing blade.

THINNING: This product is supplied ready-to-use. No thinning is needed or recommended.

Weather Restrictions

This product cures by water evaporation only. It is very important that this product is not used when weather conditions are below 50°F, or when there is a chance that temperatures could fall below 32°F. within a 24 hour period after application. We also do not recommend application of this product if rain or dew is likely to occur before drying of product. Late afternoon application is not recommended if high humidity conditions exist, which could cause high moisture concentration on the surface overnight.

Application Equipment

This product may be sprayed, brushed, or rolled. When using spray equipment, it is important that the following criteria are met: When using a spray pump, a 30:1 or 45:1 fluid to air ratio capable of delivering 2 1/2 gallons or more per minute continuous is needed, as well as a filter screen of 30 mesh or larger. If a fluid spray hose is used, it should be high pressure with designed working pressure to handle maximum pressure delivered by the spray pump. Inside lining or tube should be of such a material so it is unaffected by the coating and any solvents used for clean-up. Additionally, the following criteria should be used for hoses: 3/8 minimum I.D. up to 75 feet; 1/2 minimum I.D. up to 200 feet; and 3/4 minimum I.D. over 200 feet. Material temperature should be 70°F. or higher. The

larger I.D. sections of hose should be used from the pump out in all circumstances. If ambient temperatures drop below 65°F, it may be necessary to heat the material. In this case, we recommend the use of primary heaters and heated/insulated hoses. If a gun hose whip is used, high pressure with adequate W.P.S.I 3/8 I.D. X 6 feet with an appropriate lining or tube is recommended. When using a spray gun, we recommend the Graco Hydra Mastic or equivalent. High pressure gun swivels are available and can reduce operator fatigue. Any spray tip should be a reversible self-cleaning type with an orifice size of .027 to .039 with a fan angle of 40 to 50 degrees. Specific recommendations for equipment may be obtained from Premium Spray Products.

Application Procedures

This product may be applied directly to any clean, dry surface. Polyurethane foam should be coated within 24 hours of application. Subsequent coats should be applied within 24 hours of 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. Coating must be extended beyond the substrate to create a self-terminating flashing. Consult Premium Spray Products for recommended dry film thickness.

Safety Precautions

This product is designed for professional installation. Caution should be exercised to prevent mishap due to improper handling. Any installation equipment employed for application should be designed for high pressure use. The use of an appropriate MESA/NIOSH approved respirator during application is important. We also recommend the use of fabric coveralls and neoprene or other resistant gloves. Installers should use caution when walking at height during spray processes to avoid falls caused by slipping on wet coating. Installers should read and understand all technical and informational literature on this product, including the Material Safety Data Sheet, prior to using this product.

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Your Local Authorized Contractor



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