



Between the World  
and The Weather  
Since 1928

# Ram Ultra-White® Acrylic Roof Coating

## Product Description

Ram Ultra-White Coating is a co-polymer elastomeric water-based emulsion. Its brilliant white color offers excellent reflectivity, earning it an EnergyStar® rating and LEEDS credits. It provides superior UV protection, mildew resistance, color stability, weatherability and flexibility. Ram Ultra-White not only helps provide protection from the elements, it provides substantial reduction of roof surface temperatures and thermal stresses, significantly increasing indoor comfort and saving cooling costs.

Its ability to flex and move offers the elastic qualities necessary to accommodate the movement found in most polymer modified roof membrane systems. This combination of materials has proven itself as an excellent surfacing for both new and weathered built-up and modified bitumen roof systems. Ram Ultra-White meets national and local V.O.C. requirements and regulations. Consult the Barrett Company for specific installation recommendations.

### Uses

- Provides a highly reflective weathering surface for new or existing built-up or modified bitumen roofing membrane systems.
- Ideal for resurfacing smooth and granulated built-up and modified bitumen roofing systems
- Resurfacing corrugated metal roof systems
- Can also be used on metal and masonry surfaces

### Features

- High reflective surface is certified with an EnergyStar® rating and earns LEEDS credit
- Forms a durable, weather resistant protective coating
- Compatible with smooth and granulated roof membranes
- Reflects UV rays harmful to membrane materials
- Prevents rust from forming on metal roof surfaces
- Extends roof life by reducing the effects of heat aging, expansion and contraction cycles and thermal shock
- **Asbestos Free** product

### Benefits

- Easy application
- Reflective surface reduces a buildings summertime interior temperature, reducing energy costs
- Slows deterioration of membranes caused by normal environmental conditions
- Environmentally friendly system
- Cost effective roof restoration process
- Energy savings and increased roof longevity assures quicker "payback"
- Energy Star® Cool Roofing qualifies for utility company rebates or low cost loans in some areas

TYPICAL PHYSICAL PROPERTIES		
Property	Typical Value	
Cool Roof Rating Council (CRRC)		
Solar reflectance:	Initial	0.86
	3-year	0.77
Thermal Emittance:	Initial	0.91
	3-year	0.90
Solar Reflectance Index:	Initial	109
	3-year	96
Weight/gal.	11.8 lbs.	
Solids By Weight	65%	
Solids By Volume	52%	
Color	White, Gray	
Permeability	10 Perms	
Elongation (D-412)	300%	
Tensile Strength (D-312)	230 psi	
Hardiness Shore A	70	
Weatherability	Excellent	

Meets ASTM D-6083, Type I

## Application Guide

All surfaces to be coated must be reasonably clean, dry, free from dirt, oil, loose debris and other contaminants.

### Smooth Surface Built-up Roof Membranes

Newly installed smooth surface built-up membranes should be allowed to cure for at least 60 - 90 days before applying a Ram Ultra-White coating system. Prime prepared surface with Ram Ultra-White Primer at a rate of 1 .5 gal. per 100 sq. ft. Existing built-up membranes can be coating immediately after cleaning and priming. For information on Ultra-White Primer, consult the Barrett Ultra-White Primer Product Data Sheet.

### Modified Bitumen Membrane Systems

Newly installed modified bitumen membranes can be coated with Ram Ultra-White immediately after installation. Prime first with Ram Ultra-White Primer. Existing modified bitumen membranes can be coated immediately after surface has been verified as reasonably clean, dry and primed with Ram Ultra-White Primer.

### Metal Roof Surfaces

Existing metal roofs need to be wire brushed, sandblasted or powerwashed to remove ALL rust and loose flaking materials prior to the application of Ram Ultra-White Primer. Top coat with Ram Ultra-White coating system. Consult the Barrett Ultra-White Primer Product Data Sheet for application requirements and necessary surface preparation.

## Material Preparation

Ram Ultra-White must be mechanically mixed for several minutes before applying. Mix until the coating shows an even consistency throughout the pail. **Do not thin.**

## Application Methods

Apply Ram Ultra White Primer at 1.5 gal per 100 sq.ft. Allow to dry before Ultra White application. Ram Ultra-White can be applied by brush, roller or spray. If spraying, consult the spray equipment manufacturer for specific equipment requirements for a product of this type.

## Application Rate

Ram Ultra-White coverage rate will vary depending on the surface to be coated. The total coverage should be 2-3 gallons per 100 sq. ft., applied in a 2 coat process (1-1.5 gallons per 100 sq.ft. per coat). Total thickness to be achieved is 20 to 24 mils. Allow the first coat of Ultra-White to dry for 12 hours before application of the second coat. Install second coat perpendicular to the first.

## Application Precautions

- **Do not thin**
- **Roofs shall have positive drainage**
- **READ MATERIAL SAFETY DATA SHEET BEFORE USING**
- **FOR PROFESSIONAL ROOFING CONTRACTOR USE ONLY.**
- Do not apply if rain is imminent
- Do not apply over wet roof insulation
- Coating must be dry before exposure to water
- Store in heated room and keep container covered when not in use. Discard frozen material.
- Ultra White Primer must be applied first and allowed to dry prior to applying the Ultra-White coating.
- This product must be thoroughly stirred before using
- Exudation from APP modified membranes may cause discoloration and possibly delamination of the coating
- To reduce the potential for odors entering the building, cover fresh air intakes, close windows, doors and other openings which would allow odors to enter during application. Interior negative air pressure can impact the potential for odor entering the building.
- Not for use with potable water collection systems.
- Avoid prolonged contact with skin
- Keep out of reach of children.
- Dispose of in an environmentally safe manner in accordance with local and Federal Regulations.

## Packaging

Available in 5 gallon pails and 55 gallon drums.

## Clean Up

Water clean-up.

## Storage

Ram Ultra-White can be stored at room temperature with a one year shelf life. This product will settle during storage and must be mixed prior to using.

**Do not allow to freeze.**

## Product Safety Information

Ram Ultra-White offers no unusual health or safety risks for a product of this nature. As with any roofing process, proper ventilation, clothing and eye protection is important.

For specific information, contact the Barrett Company for a current Material Safety Data Sheet on this product.

The user should not assume that all safety measures are indicated or that other measures may not be required.

### Note

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