



Between the World
and The Weather
Since 1928

Ram Ultra-Silver®

Rubberized Aluminum Roof Coating

Product Description

Ram Ultra-Silver is made of the highest quality SBS polymer-modified asphalt, premium aluminum pigment and refined solvents. When applied, aluminum flakes found in the pigment come to the surface providing a highly reflective metallic shield over the roof surfaces. This shield reduces surface temperatures and thermal movement. The SBS rubber provides 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 asphalt built-up and modified bitumen roof systems. The reflective surfacing complies with current V.O.C. requirements and regulations. Consult the Barrett Company for specific installation recommendations for this product.

Uses

- Provides a highly reflective weathering surface for new or existing asphalt built-up or modified bitumen membranes.
- Resurfacing smooth and granulated asphaltic built-up and modified bitumen roofing systems
- Resurfacing corrugated metal roof systems

Features

- High reflective surface
- Forms a durable, weather resistant protective coating
- Reflects UV rays harmful to all bitumen membranes
- Prevents rust from forming on metal roof surfaces
- Extends roof life by reducing the effects of thermal shock
- **Asbestos Free** product

Benefits

- Reflective surface significantly reduces a buildings summertime interior temperature and energy costs
- Slows deterioration of asphalt membranes caused by heat and normal environmental conditions
- Cost effective roof restoration process
- Energy savings and increased roof longevity assures quick "payback"
- Complies with ASTM D-2824-Type III, D982-Type II and D-3805

TYPICAL PHYSICAL PROPERTIES

Property	Typical Value
Weight/gal.	8.5 lbs.
Solids By Weight	65%
Solids By Volume	47%
Color	Silver
Permeability	0.15 mg. per sq. cm.
Performance Temp Range	-20°F - 160°F
Elongation (D-412)	300%
Tensile Strength (D-312)	300 psi
Hardiness	65
Cure Time (typical)	24-48 hours
Dry Time	24 hours

Application Guide

Surface Preparation

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

Ram Ultra-Silver needs to be mechanically mixed for several minutes before applying. Mix until the coating shows an even consistence throughout the pail. **Do not thin.**

Smooth Surface Asphalt Built-up Roof Membranes

Newly installed smooth surface asphalt built-up membranes should be allowed to cure for at least 90-120 days before applying Ram Ultra-Silver. Existing membranes can be coated immediately after cleaning. Unless the surface of the existing membrane appears extremely dry, priming is not required. If priming is considered necessary, use a water based primer, such as Barrett Tack Coat. Allow it to thoroughly dry.

Modified Bitumen (Asphalt) Membrane Systems

Newly installed modified bitumen membranes can be coated with Ram Ultra-Silver immediately after installation. Existing membranes can be coated immediately after surface has been verified as reasonable clean and dry. Prime only when the surface appears dry from aging.

Metal Roof Surfaces

Existing metal roofs need to be brushed, sandblasted and powerwashed to remove all rust and loose flaking materials prior to the application of Ram Ultra-Silver.

COOL ROOF RATING

- | | | |
|-----------------------|--------------|-------------|
| 1. Solar Reflectance: | Initial 0.68 | 3 year 0.61 |
| 2. Thermal Emittance: | Initial 0.40 | 3 year 0.45 |
| 3. SRI: | Initial 69 | 3 year 59 |

Application Methods

Ram Ultra-Silver can be applied with a fibered roof 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-Silver is typically applied in a 1 coat process at a rate of 1.5 to 2 gallons per 100 sq. ft.

If bleed through of asphaltic material below occurs allow first coat to dry completely and recoat with second application at the rate of 1 to 1.5 gallons per 100 sq. ft.

Application Precautions

- For exterior use only
- Do not thin
- This product must be thoroughly stirred before using
- Do not apply if rain is expected within 12 hours
- Should be installed on decks with positive drainage
- Exudation from APP modified membranes may cause discoloration and possibly delamination of the coating
- Do not smoke or expose to open flames during application or until fully cured.
- To reduce the potential for odors entering the building, cover fresh air intakes with charcoal filter pads, 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.
- **READ MATERIAL SAFETY DATA SHEET BEFORE USING**
- **FOR PROFESSIONAL ROOFING CONTRACTOR USE ONLY.**

Packaging

Available in 5 gallon pails and 55 gallon drums.

Clean Up

Immediately rinse or flush equipment and tools with xylol, mineral spirits, lacquer solvent or a compatible citrus based cleaner after use. Exercise all combustible liquid precautions. Use waterless hand cleaners on skin.

Storage

Ram Ultra-Silver can be stored at room temperature with a one year shelf life. This product will settle during storage and must be mechanically mixed prior to using. Turning can upside down 15 to 30 minutes prior to using will facilitate the stirring process.

Product Safety Information

Ram Ultra-Silver 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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