



APPLICATION TECHNIQUES - For Professional Use Only



DESCRIPTION

ALCO Alumagard Non-Fibered Aluminum Roof Coating consists of a high quality oxidized cutback asphalt and premium quality aluminum pigments which flake and float to the surface upon application. The thin consistency allows for easy application.

USE

- Excellent over metal roofs
- Recommended for asphalt roofs and Modified Bitumen Membrane

ADVANTAGES

- Lowers surface temperature of roof by as much a 15° F.
- Can turn away over 70% of harmful UV rays
- Easy application
- Excellent Coverage
- Economical
- Premium 3# performed



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PREPARATION

The roof surface must be completely dry and free of dirt, dust and debris before application. Be sure that all necessary repairs are done to the roof surface. Metal surfaces must be wire brushed and swept clean. This will ensure proper adhesion. In some cases ALCO Primer may be advisable. Allow primer to dry for 24 hours before aluminum application. ALCO 24/7 Flashing Cement can be used to repair flashing, blisters or voids.

APPLICATION

Use directly from the container. Mix contents thoroughly to insure complete dispersion of aluminum pigments. DO NOT THIN. Pour Alumagard Non-Fibered coating on roof, a little at a time, and brush like any roof coating, brushing in one direction only. Over brushing causes some of the aluminum sheen to lessen, resulting in inferior reflective qualities.

For best results, apply on a warm (60° F), sunny day with no rain in the forecast. The presence of moisture will create a rapid "browning out". The warm temperatures will soften the asphalt content and allow the aluminum pigments to rise to the surface for maximum reflectivity. New asphalt roof surfaces should weather a minimum of 90 days before applying Alumagard. However, Alumagard may be applied over ALCO emulsion roof coatings after curing (between 5 – 10 days) without staining.

APPROXIMATE COVERAGE

BUR	75 – 150 SF/Gallon
Metal	125 – 200 SF/Gallon
APP	75 – 100 SF/Gallon

SPECIFICATION

ASTM D-2824, Type I

VOC

Not to Exceed: 500 g/L 4.0 Lbs/Gal

FOR OUTDOOR USE ONLY
DO NOT THIN THIS PRODUCT
SECURE COVER WHEN NOT IN USE

PACKAGING

4.75 Gallon Pail	36/Pallet
55 Gallon Drum	4/Pallet

LIMITATIONS

- Do not use over wood
- Not compatible with roofs previously coated with Coal Tar
- For professional use only
- Will not adhere to wet or damp roof
- Do not use if rain is in the forecast
- On new, single-ply roofs, always check with the manufacturer of roofing system for compatibility with this product.
- Not recommended for ponded water

PROPERTIES

Flash Point (ASTM D-93):	100° F. +
Weight per Gallon (Approximate):	8.5 Lbs
Viscosity @ 77° F (ASTM D-2824):	20 – 30 KU
Percent of Asphalt:	25% +
Percent of Metallic Aluminum Leafing Paste:	26% +
Percent of Solids, by Weight:	30% +
Type of Aluminum Paste:	
TT-P-320-D, Type II:	Class 2
ASTM D-962, Type II:	Class C
Insoluble in CS ₂ , Maximum % of NVM:	40%
Non-Volatile Matter (NVM):	40% +
Film Thickness of 1 GAL/100 SF:	1/64"
(less absorption by surface)	
Reflectivity (ASTM Requirement):	50% +
Drying Time:	Overnight
Service Temperature:	-20° to 180° F.
Resistance to Oils & Solvents:	Poor
Resistance to Sunlight:	Excellent
Resistance to Chemicals:	Poor
Effect of Weathering:	Slow Erosion
Acid Rain & Corrosive Atmospheric Conditions will Discolor or Darken	
Resistance to Water:	
Under Good Drainage Conditions:	Excellent
Under Continuous Submersion:	Not Recommended

FOR FURTHER SAFETY INFORMATION SEE MSDS REGARDING THIS PRODUCT

PRECAUTIONS

Caution Combustible - Contains Petroleum Distillates

Hazard Rating: Health – 1 Fire – 2 Reactivity – 0
(0 = Least; 4 = Extreme)

NOTE: DO NOT THIN. DO NOT MIX WITH WATER, ACIDS OR ALKALIS

Respiratory: Use with adequate ventilation. Inhalation of high vapor concentration may cause headaches and/or dizziness. NIOSH/MSHA Respirators required if TLV is exceeded.

Personal Protection: Avoid prolonged or repeated contact with skin, which may cause irritation. Wear chemical resistant gloves. Do not get in eyes; wear protective goggles. Wear protective clothing if needed. Do not take internally.

Fire Protection: Keep away from heat, open flame and any source of ignition.

FIRST AID

Eye Contact – Rinse immediately with water for 15 minutes and seek medical advice.

Skin Contact – Wash thoroughly with soap and water.

Inhalation – Remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration; get medical attention and keep victim warm.

Ingestion – Do not induce vomiting. Get medical attention immediately.

Waste Disposal – Seal container when not in use. Empty containers must be disposed in an approved landfill in accordance with local, state and Federal regulations.

KEEP OUT OF REACH OF CHILDREN!