

SOLAR COATING SYSTEMS



SCS ALUMINUM EMULSION

SCS ALUMINUM EMULSION is a UL rated, technologically advanced high quality reflective coating that provides a tough layer of protection over roof surfaces. This water-based Aluminum Emulsion provides a brilliant reflective surface, which helps keep the roof cool while preserving it from deterioration. This professional grade coating can be applied over virtually any type of roof surface. It contains built-in rust inhibitors and is easy to mix and apply. As a water-based coating, SCS Aluminum Emulsion is non-polluting, non-toxic and non-combustible

PREPARATION: All surfaces must have proper drainage and be clean. Repair all leaks and problem areas with compatible Solar Coating Systems Products. Roof surface may be damp from morning dew, but should not be saturated. **DO NOT HEAT OR THIN. DO NOT APPLY IF RAIN IS EXPECTED WITHIN 36 HOURS**

FOR BEST RESULTS: Apply a prime coat of SCS Emulsion. Mix contents thoroughly. When buying multiple containers, it is best to match the batch codes to avoid shade variances.

APPLICATION: Coverage rates vary with surface. Bur cap sheet roof, 1 gal per 75 sqft., Smooth surface and metal roof, 1 gal per 100 sqft. Avoid roof traffic once applied. Spray info: 1000-2000 psi @ .061 tip size. 3-6 GPM topcoat, 2-4 GPM BUR. Clean up with mineral spirits or paint thinner. Not recommended on roofs with slopes less than 1/8" per foot, or in areas of ponding water.

Can be used on:

Modified Bitumen roofs	Built-up-roofs
Smooth Surface Emulsion roofs	Metal roofs
Asphalt roofs	parapet walls and flashings
Stucco walls	other approved surfaces

Regulatory/Environmental Characteristics:

Volatile Organic Compound	5 g/l max.0.4lbs./gal
HMIS Rating	H-0,F-0,R-0, PP-A
RCRA Hazardous Substances	none
SARA Title 111 listing:	
Sec.302 Extremely hazardous substances	no
CERCLA Hazardous substances	no
Sec 313 Toxic Chemicals	no

California Prop 65: Chemical Warning:

(California Health and Safety Code #25249.5 ET SEQ) Detectable amounts of some chemicals known to the state of CA to cause cancer, birth defects or other reproductive harm may be found in Solar Coating Systems petroleum based products and their vapors. Read and follow label directions and information on MSDS sheets and use care when handling or using petroleum products

TYPICAL PROPERTIES

Weight per gallon	8.8-9.3 lbs.
Reflectivity (ASTM C-523)	0.60%
Residue by evaporation	32%
Metallic Aluminum	12%
Combustible solvents	none
Consistency	brush, roll or spray
Cure Time (50% RH, 70° F)	4-8 hours
Full Cure (50% RH, 70° F)	24-48 hours
Application temperatures	50°-100° F
Flammability	N/A (water based)
Clean-up Tools	warm water and soap, mineral spirits when cured.

Compliance: UL Class A Rated

Approx. shipping weights: 5 gal – 47 lbs
55 gal drum - 535 lbs

DANGER! HARMFUL OR FATAL IF SWALLOWED

Call physician in case of.
Ingestion – Drink water, induce vomiting.
Eye Contact – Flush with plenty of warm water.
Skin contact – Wash thoroughly with soap and water.
Irregular or stopped breathing – administer oxygen, give artificial respiration. Get medical attention. Immediately

USE WITH ADEQUATE VENTILATION

KEEP OUT OF REACH OF CHILDREN

VOC/VOS – 5 g/l max. (0.4 lbs/gal)

PRECAUTIONS: When transporting, ensure lid is tight and pail is secure and upright. Do not store in temperatures above 110° F. Water may react with aluminum pigment to produce hydrogen gas, and explosion hazard. The manufacturer also disclaims liability for flat surface application where poor drainage or ponding or moisture may prevail. For exterior use only. Do not reuse empty container.

Warranty and Disclaimer: For limited warranty and disclaimer information, contact Solar Coating Systems at 425 413-0545

Water	C.A.S #7732-18-5
Asphalt.	C.A.S #8052-42-4
Aluminum Paste	C.A.S # mixture
Cellulose fiber	C.A.S. #65996-61-4
Clay	C.A.S #1302-78-9