



MS-ELASTASHIELD by **EnviroECOats** is a 100% acrylic, premium quality, high durability, elastomeric coating. It has been developed to protect various roof surfaces and contribute to substantial energy savings.

MS-ELASTASHIELD (white) reflects over 84% of Sun's rays and serves as a thermal reflector due to hiding & reflective pigments. EnviroECOats has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. **MS-ELASTASHIELD** is listed by the "Cool Roof Rating Council" and can be used to comply with 2016 **California Title 24** cool roof requirements.

When cured **MS-ELASTASHIELD** forms an extremely tough, flexible film that can withstand the most rigorous weather conditions. **MS-ELASTASHIELD** is recommended for use on conventional and modified built-up roofs and existing Spray Polyurethane Foam roofs.

PREPARATION: Surface must be dry and free of dirt, dust, oil, grease, wax, rust, chalky or loose paint, mildew and any other surface contamination that may inhibit adhesion. It is recommended that the surface be washed prior to the application. For smooth asphalt or mod bit use proper primer. Repair any splits, holes or deficiencies in the existing system using Elastic Cement or proper sealing compound prior to application.

APPLICATION: May be applied by roller, brush or spray. Best results are achieved when applied by high pressure airless spray. Apply per specifications. On existing mineral surface or previously coated surfaces; clean surface thoroughly before applying, scrubbing with a detergent solution if necessary to remove oils and other residues. Flush immediately with strong stream of water. Some surfaces may require priming (consult EnviroECOats).

Wet material and all tools and equipment may be cleaned with water. Rinse tools and equipment with water before using. Mix thoroughly before using. Do not dilute.

PRECAUTIONS: Do not apply when surface or air temperature is below 55° F, or if cold weather, rain or fog is expected within forty-eight hours of application. **MS-ELASTASHIELD** dries through dehydration. Drying time may vary depending upon wet film thickness, temperature, humidity and air movement.

READ AND FOLLOW DIRECTIONS CAREFULLY. FOR PROFESSIONAL USE ONLY. REFER TO MSDS FOR PROPER HANDLING. NOT DOT REGULATED.

STORE CONTAINERS IN COOL, DRY, PROTECTED AREA WITH LIDS TIGHTLY SEALED. KEEP FROM FREEZING

EnviroECOats Technical Data Sheet

Meets ASTM D6083-97a for 100% Acrylic Roof Coating.

Base	100% Acrylic
Color	White, Gray, Tan (Custom Colors) (Energy savings / reflectivity based on White)
Solar Reflectivity	(Initial) 84% ASTM C1549
Thermal Emittance	(Initial) 89% ASTM C1371
SRI (Solar Reflectance Index)	106 ASTM E1980-01
SRI (Solar Reflectance Index) Aged	93 ASTM E1980-01
Flammability	Wet: Non-flammable Dry: Class AU.L. 790 Dry: Class A ASTM E108
Elongation	(initial) >250% ASTM D2370 (After weathering) >175% ASTM D2370
Tensile Strength	>250 psi ASTM D2370 1000 hr.
XenonArcUV Exposure	Pass ASTM D4798
Permeance	<15 ASTM D1653
Wet Adhesion (pli) (Emulsion)	>10 ASTM D903
Dry Adhesion (pli) (Emulsion)	>17 ASTM D903
Tear Resistance	>100 lb./in ASTM D624
Low Temperature Flexibility	Pass 15°F 1/2" ASTM D522
Solids	53% by volume ASTM D2697
Solids	66% by weight ASTM D1644
Water Swelling	<20% ASTM D471
Fungi Resistance	no growth ASTM G21
Dirt Pick-Up Resistance	Very Good
Weight Per Gallon	Approximately 11.5 - 12 lbs.
Consistency	Heavy paint, for heavy duty spray, brush, or roller
Viscosity	100-110 (KU) ASTM D562
Application Temperature	Min. 50° F Max. 100° F (ambient)
Drying Time	(70°F @ 50% r.h.) @ 100 sq.ft./gal. = 1 hour
Min. Mil Thickness	(Dry) 20 Mil
Recommended Mil Thickness	(Dry) 24+ Mil
VOC	Actual = 10, Regulatory = 20° F (ambient)

