

Physical Property	Typical Value	Test Method
Appearance	Black liquid with silver pigment	–
Solids by Weight	52% minimum	ASTM D2824
Solids by Volume	43% minimum	ASTM D2697
VOC	400 g/L maximum	EPA Method 24
Weight per Gallon	7.7–8.3 lbs.	ASTM D2828
Brookfield Viscosity	4,000–7,000 cP	ASTM D2828
Tensile Strength Film, Initial	135 psi minimum	ASTM D2370
Solar Reflectance per CRRC	0.53 initial and 0.42 after 3 years	ASTM C1549
Thermal Emittance per CRRC	0.50 initial and 0.56 after 3 years	ASTM C1371
Solar Reflectance Index (SRI) per CRRC	48 initial and 33 after 3 years	ASTM E1980
Aluminum Content	> 9%	–
Water Content	0.3 maximum	–
Flash Point	105°F (40°C) minimum	ASTM D3278
Application Temperature (Ambient)	40°F (4°C) and rising	–

APPROVALS AND CERTIFICATIONS

- Cool Roof Rating Council (CRRC) Rated Product: Product ID# 0620-0080
- Meets or exceeds ASTM D2824, Standard Specification for Aluminum-Pigmented Asphalt Roof Coatings, Type III

DESCRIPTION

EnduraRoof Fibered Aluminum Roof Coating is a premium fibered aluminum coating that forms a tough, reflective, weathering surface. It can help decrease air conditioning costs by reducing heat transfer through the roof.

FEATURES

- Two-in-one benefits:
 - Water-resistant
 - Stops rust on metal roofs
- Seals hairline cracks and pinholes
- >50% solar reflectance per ASTM D2824, Type III

EnduraRoof Fibered Aluminum Roof Coating

USAGE

- Recoating roofs previously coated with asphalt emulsion or aluminum coatings
- Asphalt roofs, including Built-Up Roofing (BUR) and Modified Bitumen (MB)
- Metal roofs

APPLICATION

Clean: Before coating the roof, use a pressure washer or high-pressure nozzle and water hose to wash the roof with a non-filming detergent, such as TSP or TSP substitute. Use appropriate pressure and take caution not to inject water into the roofing substrate. In areas with stubborn dirt, grease or other contaminants, use a stiff bristle brush or broom to scrub the areas clean with additional water and non-filming detergent. Treat algae or moss. The most effective method of cleaning algae and moss from a roof is with a 50:50 mix of laundry strength liquid chlorine bleach and water. Apply with a sprayer and allow the solution to dwell on the roof surface for 15 to 20 minutes and then rinse thoroughly with low pressure water. Extended dwell times may be necessary. However, avoid letting the solution dry completely as this may prevent complete rinsing. Take proper precautions to protect landscaping and surrounding areas from the chlorine bleach solution. Use appropriate personal protective equipment when working with chlorine bleach. In severe cases, it may take more than one bleach treatment to kill all the moss. Give the roof a final rinse to ensure it is free of all detergent or anything else that could affect adhesion. Allow roof to dry completely before application. Using a leaf blower or broom, clear any remaining dust, dirt, debris or foreign material that may prevent proper adhesion.

Prep: Carefully inspect area to be coated, including around pipes, chimneys, equipment, roof edges and walls. Repair all cracks, breaks, splits and holes by embedding 20 x 10 mesh asphalt saturated or yellow fiberglass roof repair fabric between two heavy coats of **Endura Roof All-Weather Flashing Cement** or **EnduraRoof Emergency Leak Repair Sealant** applied over and at least 2" beyond repair. Allow mastic to cure 30 days before coating. Ensure all drains are clean and clear, and cut back any vegetation that is growing that may cause debris to fall on the roof and clog drains in the future. On metal roofs, remove rust by wire brushing.

Optional: Apply a base coat of **EnduraRoof Asphalt Emulsion** at a rate of 3–4 gallons per 100 square feet. Emulsion base coat must be fully cured before applying reflective coating; usually in 3–7 good drying days.

Apply: Mechanically mix thoroughly before and during application. Apply to a dry surface. Application to a damp surface will cause this product to appear brown. Apply with good quality, soft bristled brush, or commercial grade spray equipment. Apply liberally, brushing in one direction only. Do not lap. Over brushing will interfere with leafing action of the aluminum. Care should be taken to coat at a consistent coverage rate. Failure to continuously mix product before and during use, inconsistent coverage rates or applying in multiple directions hinders the leafing action of the aluminum and may lead to varying shades of color when the product dries.

DO NOT THIN. DO NOT APPLY IF RAIN OR TEMPERATURES BELOW 40°F (4°C) ARE EXPECTED WITHIN 12 HOURS (low temperature and/or high humidity may require longer drying time). Do not heat container or store at temperatures greater than 110°F (43°C). When transporting, make sure the pail is secured, and the lid is tight to prevent spills. CLOSE AIR INTAKES ON ROOF UNTIL SOLVENTS DISSIPATE! This coating is not intended for application over rubber or PVC sheet roofs, SPF roofs, silicone coated roofs, shingles of any kind or roofs previously covered with loose or embedded gravel ballast.

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Ponding Water: Discoloration is normal and to be expected in ponding water areas. Discoloration of the coating does not hinder its ability to protect the underlying surface and is only cosmetic in nature.

COVERAGE

Approximately 240–320 square feet per 5-gallon size pail (approximately 100 square feet per 1.25–2 gallons). Coverage varies with surface texture. As roof slope increases, coverage rate should be reduced to prevent run off or slippage.

CLEAN-UP

Clean tools with mineral spirits. Clean hands with waterless hand cleaner.

PACKAGING

5 gallon