

Physical Property	Typical Value	Test Method
Elongation, Initial	355%	ASTM D2370
Elongation, after 1,000 Hours Aging	220%	ASTM D2370
Tear Resistance	100 lbs./in.	ASTM D624
Tensile Strength, Initial	260 psi	ASTM D2370
Fungi Resistance	Zero rating	ASTM G21
Low Temperature Flexibility, after 1,000 Hours Aging	PASS, no cracking or checking	ASTM D6083
pH	8.5–10.4	–
Solids Content (by Volume)	50–54%	ASTM D2697
Viscosity (KU)	100–120	ASTM D2196
VOC Content (Maximum)	50 g/L	EPA Method 24
Water Swelling, Mass %	8.9%	ASTM D471
Water Vapor Permeance	3.6 perms	ASTM E96
Weight (per Gallon)	11.5–12.5 lbs.	ASTM D1475
Solar Reflectance, Initial	White 0.83 Tan 0.73	ASTM C1549
Solar Reflectance, 3 Yr	White 0.75 Tan .67	ASTM C1549
Thermal Emittance, Initial	White 0.88 Tan 0.91	ASTM C1549
Thermal Emittance, 3 Yr	White 0.92 Tan 0.91	ASTM C1549
Solar Reflectance Index (SRI), Initial	White 104 Tan 89	ASTM E1980
Solar Reflectance Index (SRI), 3 Yr	White 94 Tan 82	ASTM E1980

APPROVALS AND CERTIFICATIONS

- Meets the requirements of California Energy Commission (CEC) Title 24 Section 110.8
- Meets the requirements of ASTM D6083 Standard Specification for Liquid-Applied Acrylic Coating Used in Roofing
- Cool Roof Rating Council (CRRC) Rated
- Can contribute to LEED certification credits
- Miami-Dade County Product Control Approved
- FL Product Approval
- UL Classified in accordance with UL 790

EnduraRoof Premium Acrylic Elastomeric Roof Coating

DESCRIPTION

EnduraRoof Premium Acrylic Elastomeric Roof Coating is a high-quality, water-based 100% acrylic latex product designed for versatile roofing applications. This multi-purpose elastomeric coating features unique “bleed blocking” properties, making it an ideal choice for use as a base coat over asphalt surfaces. It can also be used as an approved topcoat in certain roofing assemblies. When applied correctly, it offers strong resistance to disbonding, chalking, mildew, fungi, and discoloration, while helping to extend the roof's life cycle by providing lasting protection against environmental damage.

FEATURES

- Energy-saving reflective coating made from 100% acrylic
- Preserves and protects the existing roof membrane
- Elastomeric for enhanced flexibility and durability
- Compliant with VOC regulations
- Highly reflective to reduce heat absorption
- Superior bleed-blocking properties, ideal for use over asphalt surfaces

USAGE

This product serves as a protective base coat for substrates that require advanced bleed-blocking capabilities, including asphalt emulsion, new or aged smooth asphalt built-up roofing (BUR), modified bitumen (MB), and metal roofs. Additionally, it can be applied to aged single ply membranes including TPO, PVC, EPDM and Hypalon® and previously coated roofs.

APPLICATION

Clean: Before coating the roof use a pressure washer with greater than 2,000 psi to clean 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 when power washing. 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 mildew or mold.

Remove rust on metal with a wire brush, sandblast or mechanically abrade until substrate is smooth and rust free. Rinse the roof to ensure it is free of all detergent or anything else that could affect adhesion. Using a leaf blower or broom, clear any remaining dust, dirt, debris or other foreign material that may prevent proper adhesion.

Repair: Inspect area to be coated. On metal roofs, remove old and damaged mastic repairs at laps, seams and fasteners. Repair all defects including cracks, splits, holes, blisters, deteriorated flashings, cracked metal edging and any other defects affecting the water tightness of the roofing systems. Do this by layering **EnduraRoof Polyester Reinforcing Fabric** between two heavy coats of **EnduraRoof Acrylic Roof Patch** and allow to form a skin and set up—from 2 to 24 hours, depending on depth of fill and weather conditions—before coating. Tighten or replace fasteners on metal roofs as necessary. Seal fasteners and seams with **EnduraRoof Acrylic Roof Patch** and allow to cure. Ensure all roof drains and gutters are clean and clear, and cut back any vegetation that is growing above the roof which may cause debris to fall on the roof and clog drains and gutters in the future. All roof areas must promote positive drainage.

NOTE: Existing roof membrane must be sound, dry, clean and free of oil, grease, dirt, excess mortar, frost, laitance, loose and flaking particles, or other contaminants. All leaks must be sealed prior to application of coating.

QXO (Formerly Beacon Building Products)

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DO NOT THIN. DO NOT APPLY IF RAIN OR TEMPERATURES BELOW 50°F (10°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 120°F (49°C). DO NOT ALLOW COATING IN PAIL TO FREEZE. Not for use over plywood, walking decks, gravel, Kynar®/Hylar® coated metal roofs, shingles of any kind, or old roofs that are too dry and brittle to withstand the shrinkage stresses that occur after the application of any coating. Do not apply to wet or saturated roofs.

Apply: Surface must be dry. If the roof surface is too hot to touch (> 140°F / 60°C), it is too hot to coat. Stir coating thoroughly and apply with heavy-duty sprayer or deep-pile paint roller with wood handle and metal threads, keeping strokes in one direction. For newly-applied asphalt emulsion, apply coating as soon as it has cured, normally 1–7 days.

COVERAGE

Apply two uniform coats at 1.5 gallons per square per coat. Apply second coat perpendicular to the first and when the first coat is dry. Skin-over time is 3-4 hours. Coverage varies with surface texture. Application rates should be adjusted to meet each particular roof's specified requirements.

For large roofs, apply two coats to one section per day. Allow to dry fully between coats. Schedule work so that coating has minimum 3 hours to dry before nightfall.

CLEAN-UP

Before coating dries, clean hands, tools, spillage, etc., with warm soapy water. If coating has dried, clean hands with a waterless hand cleaner. Soften the dried film on tools with mineral spirits and then scrape clean. When using mineral spirits, exercise safe practices concerning flammability and toxicity.

PACKAGING

- 5 gallon
- 55 gallon

COLOR

White, Tan (5 gallon only)

Hypalon® is a registered trademark of DuPont Performance Elastomers LLC.

Kynar® is a registered trademark of Arkema.

Hylar® is a registered trademark of Solvay.