



LIFE™

Product Specifications



8840

Premium 100% Acrylic "Ceramic" Elastomeric Roof Coating

Description: Life's Stretch-Guard™/Cool Life 8840 Roof Coating is a premium quality high solids "Ceramic" elastomeric coating. Cool Life 8840 combines 100% acrylic resins and "Ceramic Spheres" to form a coating system with superior adhesion, durability, weatherproofing, heat deflection and u.v. protection. Cool Life 8840 Elastomeric Coating is a Class A (ASTM-E-108) Fire Rated Coating.

Environmental Advantages/Benefits of Cool Roof System

- ✓Reduces interior temperatures up to 20%
- ✓Up to 30% energy savings
- ✓Waterproofing system
- ✓Resists ponding water
- ✓Extends Roof Life
- ✓Infused with "Ceramic Spheres" to add durability and insulating value
- ✓Class A (ASTM-E-108) Fire Rated Coating
- ✓Easy water clean up

Uses

- ✓Flat Build-Up Roofs
- ✓Metal Roofs
- ✓Concrete Tile
- ✓Single-Ply
- ✓Polyurethane Foam
- ✓Mobile Homes
- ✓Modified Bitumen



	<u>Initial</u>	<u>Weathered</u>
Solar Reflectance	0.82	Pending
Thermal Emittance	0.91	Pending
Rated Product ID Number	0001	
Licensed Seller ID Number	0914	
Classification	Production Line	
Cool Roof Rating Council ratings are determined for a fixed set of conditions, and may not be appropriate for determining seasonal energy performance. The actual effect of solar reflectance and thermal emittance on building performance may vary.		
Manufacturer of product stipulates that these ratings were determined in accordance with the applicable Cool Roof Rating Council procedures.		
Exceeds Title 24 Performance Requirements		
Certified by CRRC		



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Surface Preparation: Proper roof preparation is essential for successful coating application.

1. The roof surface must be clean and free of all loose and oxidized material, dirt, oil and other contaminants.
2. Thoroughly and carefully use a power blower or a stiff bristle broom and/or power wash the roof surface. (Do not power wash if the roof has any water leaks.)
3. Seam tape all cracks, seams, flashings, skylights, vents, etc. For older roofs and/or roofs with cracking, alligatoring, failing systems and minor leaks use polyester roofing fabric to reinforce the roof system. (See Application Specification).
4. Each application should be done in one complete step to form one seamless layer over the total area being covered. Apply with roller, squeegee, brush or airless spray equipment. If applied by spray, 8875 Underseal must be back rolled. Do not thin.

1. Poly-Fabric (Seam Tape) Application (8875) Joints, Seams, Etc.

- Seam tape over ALL joints, cracks, seams, around vents, over flashings, caps, pipes and skylights, etc. Cracks over 1/16 inch wide should be cleaned and caulked before reinforcing.
- a. Brush a coat of 8875 Underseal over the joint or seam.
 - b. Roll polyester seam tape into the wet Stretch-Guard 8875 Underseal. While still wet, apply another coat of 8875 Underseal over seam tape completely embedding tape in the coating. Allow to dry.
 - c. Apply 1 or 2 full coats of 8875 Underseal over all seam tape applications. Allow to dry. Apply 8875 coating the surface at a rate of 1 to 2 gallons per 50 sq. ft to cover and fill in rough surfaces and pinholes.

2. Poly-Fabric (Full Coverage) Application

Apply a liberal coat of 8875 Underseal. While still wet, embed the polyester fabric into the 8875 Underseal. Apply a second coat of 8875 Underseal to saturate the fabric (2 gallons per 100 sq. ft. is required). It is recommended that another coat of 8875 Underseal be applied over dried fabric system to smooth the rough surfaces.

3. Top Coat Application

Apply 2 coats of Stretch-Guard/Cool Life 8840 Elastomeric Coating as a finish coat at the rate of 1 gallon per 100 sq. ft. Apply a third coat if desired. Fill all cracks and crevices.

Mildew: DO NOT APPLY OVER MILDEW. A solution of 50% household bleach and 50% water will kill the mildew.

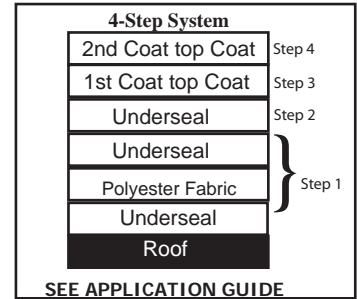
Concrete/Plywood Walking Decks:

Use the appropriate Life Deck Waterproof Deck System for best performance.

Heavy Duty Waterproofing System:

1. Poly-Fabric Seam Tape application. (see instructions)
2. Apply primer Coat of 8875 Underseal at 1 gallon per 50 sq. ft.
3. Apply 8875 Underseal embedded in the polyester fabric with 1-2 additional coats of 8875 Underseal.
4. Apply 2 coats of Cool Life 8840 at a rate of 1 gallon per 100 sq. ft. If products are sprayed, it is recommended that the first coat be back-rolled. Always cross hatch 2nd coat.

FOR WATERPROOFING SYSTEMS



Note: For ponded water conditions use #88-75 Underseal with polyester seam tape (see "specification sheet" for application).

Metal Roofs: (See Application Specifications)

1. Prepare the metal roof by removing all loose material. Clean and etch.
2. Spot prime all rusted surfaces with a rust converter.
3. Seam tape all seams.
4. Apply 1 coat of 3300 or 3900 primer first at 50 sq. ft. per gallon.
5. Apply 2 coats of Stretch-Guard 8840 Cool Life at 1 gallon per 100 sq. ft.

Urethane Foam Roofs (See Application Specification)

1. Remove all old delaminating coating and blow clean.
2. **Do not open the roof system.**
3. Seam tape and patch all blisters and sump areas with 8875 Underseal until surface is smooth.
4. Coat with 2-3 coats of 8875 Underseal until smooth.
5. In areas of standing water apply 2 coats of embedded fabric with 8875 Underseal with 2 more coats of 8875.
6. Apply 2 to 3 coats of Stretch-Guard Cool Life 8840 at a rate of 1 gallon per 100 sq. ft.

Thinning: Thinning is not recommended

Drying Time: Initial cure 8 hours. Allow 12 hours before applying additional coats. Cool and/or humid weather conditions will slow the drying time.

Clean-up: Warm, soapy water is recommended.

Technical & Physical Properties

See Application Specifications for additional information.	Physical Property	ASTM Test Method	Result	Table 118C Requirement
An older roof in poor condition may need a new roof.	Tensile Strength @73F, psi	D2370	186	100 min
IMPORTANT WEATHER GUIDELINES: 1. Do not apply under foggy weather conditions. 2. Do not apply when rain is forecast within 24 hours. 3. Do not apply when temperatures are expected to drop below 50°F. within 24 hours.	Elongation @73 F, %	D2370	231	200 min
	Flexibility @ 0°F, 1" mandrel	D522B	Pass	Pass 0°F
	Permeance, perms	D1653	13.5	50 max
	After Accelerated Weathering, 1000 h	D4798		
Warranty Systems: Various warranties are available, see warranty specification sheet. The maximum V.O.C. of this product does not exceed 50 grams/liter. WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. Contact the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.	Tensile Strength @73F, psi	D2370	253	NR
	Elongation @73 F, %		161	100 min
	Flexibility @ 0°F, 1" mandrel	D522B	Pass	Pass 0°F
	Accelerated weathering, 1000 h	D4798	Pass	no cracking or checking visible to eye
	Solar Reflectance/ Thermal Emittance			Section 118: (i) 1 Requirement
	Solar Reflectance	CRRC-1	0.82	0.70 min
	Thermal Emittance	CRRC-1	0.91	0.75 min.