

1. Product Name

ENERGYMAX SILICONE ROOF COATING

2. Distributed by EPDM Coatings

494 Bridgeport Ave Suite 101, PMB 342 Shelton, CT 06484-4748

URL: www.epdmcoatings.net



3. Product Description

EnergyMax is a 97% volume solid solvent based system allowing for cross-linking to occur on the substrate it is being applied on. The product has zero organic content therefore it does not become a food source for mold and mildew. Containers are filled with dry nitrogen gas to prevent premature cure.

- ☆ Breathable membrane has exceptional weathering characteristics, prevents moisture entrapment and premature roof failure.
- ☆ Not affected by ponding water.
- ☆ May be used for potable rainwater catchment applications. See listing at nsf.org for application and cure instructions for rainwater catchment use.
- ☆ Reflective roof coating reduces cooling costs. An excellent top coat for EnergyMax Aromatic Polyurethane.
- ☆ Complies with all of the requirements of ASTM D 6694-08 and -07 Standard Specification Liquid-Applied Silicone Coating and ASTM C1305 Crack Bridging Ability.
- ☆ Easy to use, non-toxic and VOC-compliant silicone roof coating.
- ☆ Coverage is 500 sq ft per 5 gallon pail

Advantages

- ☆ Provides a seamless, durable membrane.
- ☆ Exceptional weathering characteristics.
- ☆ Resists ozone and harsh chemicals.
- ☆ Maintains flexibility even in extreme temperature ranges.
- ☆ Breathable membrane prevents moisture entrapment.
- ☆ Heat reflective coating helps reduce cooling costs.
- ☆ Reflects the sun's UV-rays and prevents premature degradation.
- ☆ Prevents premature roof failure by controlling thermal cycling.

4. Technical Data

See table on the following page.

5. Installation

- ☆ Ready to use. Thinning is not necessary. Mix well before using.
- ☆ Roof must be clean, dry and free of any oil, grease, dirt or loosely adhered coating.
- ☆ The product waterproofs immediately upon application
- ☆ Product should be applied when temperatures are 45F and above
- ☆ Bare surfaces must be prepared and checked for compatibility.
- ☆ Follow our roof restoration procedures and always perform an adhesion test.
- ☆ EPDM Coatings recommends subsequent coats to be applied with 24 hours.
- ☆ Equipment: brush, roller, spreader or a 4000psi, 3gpm airless sprayer with a .031 tip. Use BUNA-N jacketed hoses for moisture protection. Do not leave coating in spray guns, hoses and pumps for prolonged periods.
- ☆ Follow our and roof restoration procedures and always perform a coating adhesion test before doing the entire roof.
- ☆ **Brush:** Good quality synthetic bristle brush.
- ☆ **Roller:** Long nap roller.



6. Availability & Cost

EnergyMax Silicone Roof Coating is available directly from EPDM Coatings and our authorized distributors.

7. Warranty

On pre-qualified and registered applications completed by EPDM Coatings-approved contractors, long term warranties are available. Contact EPDM Coatings for warranty information.

8. Maintenance

Read our Care and Maintenance Guidelines.

9. Technical Services

Contact EPDM Coatings for technical support.

10. Filing Services

Additional product information is available from EPDM Coatings.

This product data sheet conforms to the editorial style prescribed by The Construction Specifications Institute. The manufacturer is responsible for technical accuracy.

ENERGYMAX[®] SILICONE ROOF COATING TECHNICAL DATA

Property	Value	Method
Clean Up	VM&P Naphtha, Mineral Spirits	
Coverage	1.25 gal/100SF yields 15.36 dry mils. Up to 1.25gal/100SF per coat. 2 coats, 25 - 30 dry mils recommended. 45 mils for NSF approval.	
Cure Time	Min 2 hours @ 100°F - 90% humidity. Max 8 hours @ 40°F - 20% humidity. Tack Free within 1 hour (Depending on humidity and temperature)	
Elongation	249% ± 50	ASTM D-2370
Emissivity	0.90 (3 years) White	ASTM C-1371
Flash Point	290°F	ASTM D-92
HMIS	Health 1, Flammability 0, Reactivity 0, Protection X	
Hardness	50±5 (Shore A)	ASTM D-2240
Packaging	5 gallon pail, 50 gallon drum	
Permeance	9.3 US Perms (Procedure B)	ASTM E-96
Reflectivity	0.70 (3 years) White	ASTM C-1549
SRI	110 Initial	
Shelf Life	6 Months (Unopened Containers @ 35°F - 75°F)	
Solids by Volume	96% ±2 ASTM D-2697	
Solids by Weight	96% ±2 ASTM D-1644	
Tack Free	1 hour (Depending on humidity and temperature)	
Tear Resistance	26 lb f/in @ 73°F (Die C)	ASTM D-624
Temperature Stability Range	-80°F - 350°F (-37°C - 177°C)	
Tensile @ 100% Elongation	Nil	
Tensile Strength	325 psi ± 50	ASTM D-2370
VOC	< 50grams/liter	EPA Method 24
Viscosity	4800 - 9000 cPs	Brookfield RVF
Water Absorption	0.1 weight % after 2 weeks @ 75°F (24°C).	ASTM D-471
Weathering / UV Resistance	No degradation after 5000 hours.	ASTM G-6694

Key Benefits Of EnergyMax

- ☆ Withstands ponding water 365 days a year
- ☆ NSF for potable drinking water
- ☆ Coverage is 525 Sq ft per 5 gallon pail
- ☆ EnergyMax is a Contractor Grade line of products
- ☆ Product is shipped directly from factory within days of being manufacturer VS being stored on shelves for months
- ☆ EnergyMax is a Moisture Cured product and waterproofs immediately upon application
- ☆ For those that don't have the budget for both the primer and EnergyMax you can primer now at a 10-15 mil and come back within two year to apply the EnergyMax!
- ☆ Working time is 3-6 hours depending on humidity and thickness being applied



Freight Classification: Paint - Flammable Liquid (UN 1263 Red Label Required)

Warning: EnergyMax Silicone Roof Coating contains solvents. Keep away from open flame, heat or sparks. Pumping equipment should be grounded to avoid accidental ignition due to static sparks. Use only in ventilated areas and provide mechanical ventilation in enclosed spaces. Avoid breathing vapor or mist. Approved (MESA/NIOSH) chemical respirator and protective clothing must be used when exposure can exceed recommended PEL. Fresh air hose masks required for interior applications. Care must be taken to prevent rooftop HVAC from introducing solvent vapor into interior areas. EPDM Coatings must be completely dry before exposing to water or foot traffic. Keep EPDM Coatings containers covered when not in use. Dispose of all containers in accordance with state and local environmental regulations. Keep away from children. If ingested, DO NOT induce vomiting. Call physician immediately.

Product information contained herein are presented in good faith and believed to be reliable. They do not constitute part of our terms and conditions of sale. It is also not a guarantee, either expressed or implied, that the data are correct or that products described are merchantable or fit for a particular purpose as methods of use are beyond our control. Customer should determine the suitability of our materials and installation recommendations before usage. Manufacturer's sole responsibility shall be to replace that portion of any product that proved to be defective.

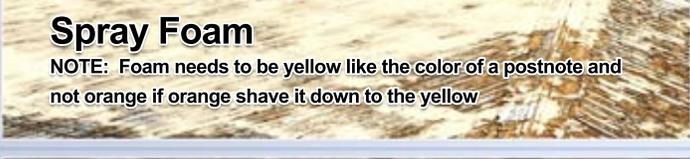
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Distributing Specialty Roofing Products Worldwide

Cross Reference Chart

For More Information
Call: 855-281-0940

Roof Types	Primer	Base Coat Solvent Based	Top Coat Solvent Based	Total Mil Rate
 <p>Built Up or Modified Bitumen Roof</p>		EnergyGuard Aromatic Polyurethane 1.38gal/100 Sq Ft (Coverage 15 Mil) 350 Sq ft per 5 gallon pail	EnergyMax High Volume Solid Silicone 0.98 Gal/100 Sq Ft (Coverage 15 Mil) 525 Sq ft per 5 gallon pail	30
 <p>EPDM or TPO (TPO MUST be 7 yrs or older)</p>		EnergyGuard Aromatic Polyurethane 1.38 gal/100 Sq Ft (Coverage 15 Mil) 350 Sq ft per 5 gallon pail	EnergyMax High Volume Solid Silicone 0.98 Gal/100 Sq Ft (Coverage 15 Mil) 525 Sq ft per 5 gallon pail	30
 <p>Flat Metal Roofs</p>		EnergyGuard Aromatic Polyurethane 1.38 gal/100 Sq Ft (Coverage 15 Mil) 350 Sq ft per 5 gallon pail	EnergyMax High Volume Solid Silicone 0.98 Gal/100 Sq Ft (Coverage 15 Mil) 525 Sq ft per 5 gallon pail	30
 <p>Pitched Metal Roofs Flat Metal Roofs may use EnergyMax Silicone</p>		EnergyMax Acrylic 1.77 gal/100 Sq Ft (Coverage 15 Mil) 300 Sq ft per 5 gallon pail	EnergyMax Acrylic 1.77 gal/100 Sq Ft (Coverage 15 Mil) 300 Sq ft per 5 gallon pail	30
 <p>Flat Rusted Metal Roofs</p>	PrimeLock Rust Primer 1.00 gal/100 Sq Ft	EnergyMax High Volume Solid Silicone 0.98 gal/100 Sq Ft (Coverage 15 Mil) 525 Sq ft per 5 gallon pail	EnergyMax High Volume Solid Silicone 0.98 Gal/100 Sq Ft (Coverage 15 Mil) 525 Sq ft per 5 gallon pail	30
 <p>Concrete</p>		EnergyGuard Aromatic Polyurethane 1.38 gal/100 Sq Ft (Coverage 15 Mil) 350 Sq ft per 5 gallon pail	EnergyMax High Volume Solid Silicone 0.98 Gal/100 Sq Ft (Coverage 15 Mil) 525 Sq ft per 5 gallon pail	30
 <p>Spray Foam NOTE: Foam needs to be yellow like the color of a postnote and not orange if orange shave it down to the yellow</p>		If originally coated with silicone or acrylic	EnergyMax High Volume Solid Silicone 0.98 Gal/100 Sq Ft (Coverage 15 Mil) 525 Sq ft per 5 gallon pail	30
 <p>Galvalume (Acrylic on Pitched Roofs EnergyMax Silicone on Flat Roofs)</p>		EnergyMax Acrylic 1.77 gal/100 Sq Ft (Coverage 15 Mil) 300 Sq ft per 5 gallon pail	EnergyMax Acrylic 1.77 gal/100 Sq Ft (Coverage 15 Mil) 300 Sq ft per 5 gallon pail	30