



# 100% Silicone LS Roof Coating

## Single Part Roof Coating



### PRODUCT DATA SHEET

#### DESCRIPTION

Mule-Hide 100% Silicone LS Roof Coating is a 100% silicone based, single part roof coating that creates a barrier that is resistant to weathering, is durable, breathable, watertight and weatherproof. Mule-Hide 100% Silicone LS Roof Coating is manufactured from durable inorganic silicone resins, reinforcing and reflective pigments and silane adhesion promoters.

#### BASIC USES

Mule-Hide 100% Silicone LS Roof Coating can be applied over new spray applied polyurethane foam, EPDM, TPO, aged PVC, aged acrylic coatings, concrete, asphalt built-up roofs, granulated modified bitumen roofs and metal roofs.

#### PACKAGING

Container size: 5-gallon

#### APPLICATION

##### Preparation

1. Surface must be dry and free of dirt or corrosion particles.
2. Clean with Mule-Hide 115 Cleaner. EPDM roofs require aggressive power washing and may need to be cleaned twice to remove surface contamination.
3. Thoroughly rinse the roof after cleaning to remove all detergent.
4. Apply primer as required.
5. All seams, fasteners and penetrations should be sealed with Mule-Hide 100% Silicone Sealant.

##### Mixing

1. Mechanically mix 100% Silicone LS Roof Coating prior to use.
2. Avoid entraining air while mixing.
3. Do not thin.

##### Application

1. Recommended application temperature is 40°F and rising.
2. For best results, apply coating in multidirectional fashion.
3. Use 100% Silicone LS Roof Coating as it comes from the container, no thinning is necessary with this product.
4. Product cures through moisture absorption from the air.
5. Cure time will be much quicker in humid conditions.
6. Open and partially full containers will skin over quickly, if this occurs, remove the skin and continue using.

Application instructions are basic guidelines only. Please read and understand the complete Mule-Hide specification for this product prior to use.

#### TYPICAL PHYSICAL PROPERTIES

As Supplied:		As Cured:	
Appearance	White, Gray	Durometer Hardness, Shore A, points ASTM D2240	70
Solids Content, Percent by weight ASTM D1644	82.44%	Tensile Strength, psi ASTM D412	551 (±25)
Specific Gravity, at 25°C (77°F)	1.31	Elongation, % ASTM D412	186 (±10)
Tack-Free Time	10-20 min.	Permeability <sup>1</sup> , perms ASTM E96	7.9
Cure Time	1-3 hrs.	Tensile, Set at 100% elongation	Nil
Solids Content % by Volume, ASTM D2679	68.9% (± 2)	Temperature Stability Range, °C (°F)	-37 to 100 (-35 to 212)
VOC	<250 g/l	Accelerated Weathering, QUV, 5,000 hours ASTM G154	No degradation
<sup>1</sup> 20-mils at 38°C (100°F) and 90 percent relative humidity <sup>2</sup> Applies to white silicone only		Flame Spread ASTM E108	Class A
		Initial Solar Reflectivity <sup>2</sup> , ASTM C1549	87
		Initial Thermal Emissivity <sup>2</sup> , ASTM C1371	90
		SRI Value <sup>2</sup>	113

\*Typical properties and characteristics are based on samples tested and are not guaranteed for all samples of this product. This data and information is intended as a guide and does not reflect the specification range for any particular property of this product.

#### PRECAUTIONS

Avoid prolonged contact with skin or fumes. If irritation occurs seek medical attention. Keep out of reach of children. For professional use only. Read SDS prior to use.

California Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer, birth defects and/or reproductive harm.

#### CLEAN UP

Clean up with a cleaning solvent.

#### STORAGE & HANDLING

- Two year shelf life with proper storage.
- Job site storage in excess of 90°F (32°C) may affect product shelf life. Store product at temperatures between 60°F and 80°F. Materials exposed to lower temperatures affect the workability and performance of the product. Products must be restored to 60°F prior to use.



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#### PROTECTION & SAFETY

Mule-Hide maintains Safety Data Sheets on all of its non-exempt products. Safety Data Sheets contain health and safety information for your development of appropriate product handling procedures to protect your employees and customers. Mule-Hide's Safety Data Sheets should be read and understood by all of your supervisory personnel and employees before using Mule-Hide products in your facilities.

#### ADDITIONAL INFORMATION

The information given on this PDS is subject to change without notice. Always check the Mule-Hide website at [www.mulehide.com](http://www.mulehide.com) for the latest information, changes and updates or contact Mule-Hide Products Company at 800-786-1492.

#### DISCLAIMER

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