



100% Silicone Roof Coating

Single Part Roof Coating



PRODUCT DATA SHEET

DESCRIPTION

Mule-Hide 100% Silicone 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 Roof Coating is manufactured from durable inorganic silicone resins, reinforcing and reflective pigments and silane adhesion promoters.

BASIC USES

Mule-Hide 100% Silicone 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 sizes: 1, 5 and 55 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 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 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, Black, Tan	Durometer Hardness, Shore A, points ASTM D2240	37
Solids Content, Percent by weight ASTM D2369	92 (+/-3)%	Tensile Strength, psi ASTM D412	247
Specific Gravity, at 25°C (77°F)	1.24	Elongation, % ASTM D412	237
Tack-Free Time	1-2 hrs.	Permeability ¹ , perms ASTM E96	10.7
Cure Time	1-4 hrs.	Tensile, Set at 100% elongation	Nil
Flash Point	141 °F	Temperature Stability Range, °C (°F)	-37 to 100 (-35 to 212)
VOC	<50 g/l	Accelerated Weathering, QUV, 5,000 hours ASTM G154	No degradation
¹ 20-mils at 38°C (100°F) and 90 percent relative humidity ² Applies to white silicone only		Flame Spread ASTM E108	Class A
		Initial Solar Reflectivity ² , ASTM C1549	89
		Initial Thermal Emissivity ² , ASTM C1371	90
		SRI Value ²	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 for the latest information, changes and updates or contact Mule-Hide Products Company at 800-786-1492.

DISCLAIMER

The statements provided concerning the material shown are intended as a guide for material usage and are believed to be true and accurate at the time of printing. No statement made by anyone may supersede this information, except when done in writing by Mule-Hide Products Co., Inc. Since the manner of use is beyond our control, Mule-Hide does not authorize anyone to make any warranty of merchantability or fitness for any particular purpose or any other warranty, guarantee or representation, expressed or implied, concerning this material. This product may be eligible for a Mule-Hide warranty, please check the Mule-Hide website at www.mulehide.com or contact Mule-Hide directly at 800-786-1492 for details. Buyer and user accept the product under these conditions and assume the risk of any failure, any injury person or property (including that of the user), loss or liability resulting from the handling, storage or use of the product whether or not it is handled, stored or used in accordance with the directions or specifications. Mule-Hide must be notified in writing of any claims and be given the opportunity to inspect the alleged failure before repairs are made