



Product Data Sheet

RGA 1

PRODUCT DESCRIPTION

Revision Date: Jan 2018

Mule-Hide RGA 1, a rubberized, wet/dry flashing cement is a super-premium, high-performance flashing cement intended for use on modified bitumen and asphalt roofs. RGA 1 helps to eliminate the need for hazardous torches when repairing SBS modified bitumen membranes. It is also an excellent form-tie cement for use with rubberized asphalt waterproofing systems.

RGA 1 exhibits outstanding adhesion to wet, dry and underwater surfaces due to hydrophobic surface active additives including a unique low surface tension adhesion promoter. RGA 1 applies easily at seasonal temperature extremes.

RGA 1 is polymer modified and reinforced with polyolefin microfibers for super tensile strength. It exhibits rubber-like elastomeric properties and provides a smooth, uniform surface texture. RGA 1 can accommodate movement that will cause conventional roof cements to fail.



BASIC USES

- For sealing laps, seams and perimeter edges of SBS modified bitumen membranes.
- Not recommended as an adhesive for APP.
- For repairing splits, breaks and small holes in asphalt based roof membranes and flashings.
- For installing metal edge flanges and sealing other metal joints.
- May also be used on Shingles, Concrete, Chimney, Brick, Stone or Metal Flashings.
- DO NOT USE with PVC, TPO, EPDM or other single-ply membranes.
- DO NOT USE under any APP or any torch products with burn off film.
- DO NOT USE over or under expanded polystyrene insulation.

PHYSICAL PROPERTY INFORMATION*

Property	Test Method	Value
Viscosity	ASTM D 2196	750,000 cps
Solids by Weight	ASTM D 1644	73%
Solids by Volume	ASTM D 2697	67%
% Asphalt	ASTM D 6511	49%
Elongation	ASTM D 412	200%
Weight per Gallon	ASTM D 1147	9.1 lbs
Flash Point	ASTM D 56	103°F / 39°C
VOC	EPA 24	<300 g/l

* Data reported is based on available independent and in-house resources. Mule-Hide reserves the right to change or modify, at its discretion, and without prior written notice, any of the information, requirements, specifications or policies contained in this document.

PACKAGING

10 oz. tubes

BENEFITS & SUPPLEMENTAL STATEMENTS

- High flexibility to accommodate temperature-related expansion and contraction of the roof system.
- Polyolefin micro-fibers for superior tensile strength and smooth uniform surface texture.
- Excellent adhesion to all surfaces including wet or underwater.
- When following recommended application rates the RGA 1 is non-destructive to conventional asphalt based roofing membranes. Excessive amounts applied may harm the membrane.

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CODE APPROVALS/COMPLIANCE

- Florida Product Approval and Miami Dade County Approved
- Meets or exceeds requirements ASTM D4586 Type I Class II

COVERAGE RATES

- Coverage rate varies with the size of the bead applied.

INSTALLATION TEMPERATURE

- Cold weather will cause product to stiffen making application more difficult.
- Store product at room temperature for minimum 24 hours prior to application.
- Do not heat container or attempt to thin this product.
- Not recommended for application on substrates that exceed 140°F.

INSTALLATION INSTRUCTIONS

- Surface must be clean and sound.
- In order to adhere to wet surfaces, apply the product in one direction with sufficient force to displace the water from underneath it.

PRECAUTIONS

COMBUSTIBLE LIQUID AND VAPOR

- Contains petroleum distillate. Harmful or fatal if swallowed. **DO NOT TAKE INTERNALLY!** Vapor harmful. May affect the brain or central nervous system causing dizziness, headache, or nausea. Causes nose and throat irritation. Causes eye irritation. Causes skin irritation. Reports have associated repeated and prolonged occupational exposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. Keep away from heat and open flame.
- Use only with adequate ventilation. **CLOSE AIR INTAKES** on roof until solvents dissipate. Do not breathe vapors. If you experience eye watering, headache, or dizziness or if air monitoring demonstrates vapor/mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer's directions for respirator 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.

Personal Protection – Irritation may result from prolonged or repeated contact with skin. Wear chemical resistant gloves, protective goggles and protective clothing, if needed.

Eye Contact – Rinse immediately with clean water for 15 minutes and see medical advice.

Skin Contact – Wash thoroughly with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before reuse. In the case of skin irritation or allergic reactions see a physician.

Inhalation – Move to fresh air in case of accidental inhalation of vapors. If continued difficulty with breathing is experienced, get medical attention immediately.

Ingestion – Not an expected route of exposure. If swallowed, do not induce vomiting. Get medical attention immediately.

Waste Disposal – Empty containers must be disposed of in accordance with local, state, and federal regulations.

For Professional Use Only – Keep out of the reach of children.

For Exterior Use Only - Refer to safety data sheet (SDS) for specific data and handling.

CLEAN UP

- Clean tools with Si Cleaning Solvent.

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STORAGE & HANDLING

- Product shelf life is 24 months from date of manufacture when properly stored.
- Store container at room temperature for minimum 24 hours prior to use.
- Do not store at temperatures greater than 120°F.
- Observe normal safeguards for storing and handling of product prior to and during use.
- Keep containers tightly covered when not in use.

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. 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.