



Product Data Sheet

MULE-HIDE #271 MOD BIT SEALANT

PRODUCT DESCRIPTION

Mule-Hide #271 Mod Bit Sealant is a fibrated, cartridge grade, rubberized adhesive with bonding strength designed for use with modified bituminous products. It sets by loss of solvent content through evaporation. Because of its ease of application and vertical bonding strength, it is recommended for membrane seaming, flashing and detail work. Mule-Hide #271 Mod Bit Sealant has excellent low temperature flexibility.



BASIC USES

- Specially formulated for use as a vertical flashing and detail adhesive for Modified Bitumen Membranes.
- DO NOT USE with PVC, TPO, EPDM or other single-ply membranes, over or under expanded polystyrene insulation or over gravel.
- NOT TO BE USED to adhere APP membranes.
- Mule-Hide # 271 is required to be used with Mule-Hide self-adhering modified bitumen membranes (SAMB) when sealing end laps (along 45° angle cut) and completing various SAMB details. Refer to the Mule-Hide SAMB application manual and details for additional use.

PHYSICAL PROPERTY INFORMATION*

Property	Value
Maximum VOC	250 G/l
Consistency	Thick soft mastic
Weight	9.1 lbs. per gallon
Flash Point (T.C.C.)	105°F+
Service Temperature (range)	40°F to 100°F

* 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

10.5 oz tubes

BENEFITS & SUPPLEMENTAL STATEMENTS

- High flexibility to accommodate temperature-related expansion and contraction of the roof system.
- Great bonding strength.
- Provides exceptional weathering characteristics over a wide range of challenging temperatures and weather conditions. Will not mudcrack and will remain highly resilient and durable through all seasons
- Interlocking fiber matrix assures uniform, excellent adhesion.
- Eliminates need for kettles and torches.
- Exhibits excellent sag resistance when used on vertical surfaces, even at high temperatures.
- Non-destructive to conventional asphalt based roofing membranes.
- 100% recycled cellulose fibers.

CODE APPROVALS/COMPLIANCE

- Miami Dade County Approved
- Meets or exceeds requirements of ASTM D4586 Type I Class 1 and D3409

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COVERAGE RATES

- Approximately 20 linear feet (6.1 m) per tube for ¼" (6 mm) diameter bead.
- Approximately 6 linear feet (1.8 m) per tube for ½" (12 mm) diameter bead.
(All values are approximate and may vary with ambient temperature and job conditions)

INSTALLATION TEMPERATURE

- Apply only when ambient temperatures are 45°F and rising. Cold weather could result in uneven application and improper curing of product. 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 Preparation:

- All surfaces to be adhered must be clean, dry and free from any foreign matter such as oil, grease, dirt or any debris that could inhibit the bonding capabilities of the roof cement. Priming is recommended when adhering to questionable conditions.
- Do not use directly over wood or surfaces previously covered with coal tar based products.
- NOT RECOMMENDED for use with thermoplastic (PVC, TPO) or thermoset (EPDM, Hypalon) membranes, over or under expanded polystyrene insulation, or under any APP product with a burn-off film.

Installation Method:

- Place cartridge in cradle type caulking gun. Cut tip to desired size and puncture seal in spout. Squeeze trigger slowly. Apply ¼" (6 mm) to ½" (12 mm) bead of sealant to areas that are to be sealed.
- Membrane Flashing – Coat underside of membrane at rate indicated. No cure time required before flashing installation, simply press into place with even pressure, smoothing out wrinkles and bubbles. Roll all side and end laps, making sure that a sufficient amount of product is applied to the lap area so that a bead is visible at all lap edges. Mechanically attach membrane flashings to avoid membrane slippage.
- Coursing – Apply sealant to surface and install fabric or webbing into sealant, then apply a final course of roof cement.
- Metal – Set metal flashings in full ⅛" (3 mm) bed of sealant. Apply product between joints and apply pressure so that bead is visible at joint edge.
- Sealing/Repairs – Apply product at a thickness of ⅛" (3 mm) to ¼" (6 mm) working the product into the opening or crack and spread minimum two inches beyond repair area. Embed reinforcing fabric into the cement for added reinforcement, and then cover with additional sealant. If desired, repeat procedure for coursing application and feather each layer beyond underlying layer.

PRECAUTIONS

COMBUSTIBLE LIQUID AND VAPOR

- Contains petroleum distillate. Harmful or fatal if swallowed. Close container after each use. 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.

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MULE-HIDE #471 MOD BIT SEALANT

PRECAUTIONS (continued)

- 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.

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 material safety data sheet (MSDS) for specific data and handling.

CLEAN UP

- Clean tools with mineral spirits or paint thinner.

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.