

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 specifically for use with Mule-Hide self-adhering 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. It does not require red label solvent identification. Meets or exceeds the requirements of ASTM D 4586 Asphalt Roof Cement Type I.

BASIC USES

Mule-Hide #271 Mod Bit Sealant is especially formulated for use as a vertical flashing and detail adhesive for Mule-Hide modified bituminous membranes. It eliminates the hazard of hot kettle fires. Flashings and details can be completed under controlled conditions. The hazards of torch application, as well as hot asphalt fumes and odors are eliminated.

PHYSICAL PROPERTIES*

Appearance Fibrous black/Thick	SETA Flash point 105F	Solids by Weight 70% min
Color Black	Viscosity 250-300dmm	Specific Gravity @ 77F 1.10-1.13
Consistency @ 77F Trowel	VOC (Max) 300 g/l	Sizes 4.75 gal/18.0 L
Coverage 12.5 sq.ft/gal	Weight per Gallon 8.9-9.5 lbs	Behavior@140F No sag or cracking

* 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

Available in 10.3 oz. tubes

APPLICATION METHODS AND RECOMMENDATIONS

Surface Preparation: Surfaces to be coated with Mule-Hide #271 Mod Bit Sealant must be dry, clean and free from oil, grease, rust, scale, loose paint, dirt and other foreign matter that would interfere with a good bond.

Installation Method: Place cartridge in cradle type caulking gun. Cut tip and puncture seal in spout. Squeeze trigger slowly. Apply a 1/2" bead of sealant to areas that are to be sealed. If cracks/joints are large, trowel on Mule-Hide #271 Mod Bit Sealant and reinforce with polyester or glass fabric or modified bitumen membrane embedded in the fresh sealant followed by a top coating of 1/8" thickness. Mule-Hide and NRCA application recommendations for flashing and detail work must be observed. Refer to Mule-Hide #271 Mod Bit details for appropriate use.

Temperature Range: Mule-Hide #271 Mod Bit Sealant does not freeze. Cold weather will cause it to stiffen, making application difficult. Store unopened cartridges in warm area at least 24 hours before use. Mule-Hide #271 Mod Bit Sealant is ready to use. Do not heat cartridges or attempt to thin!

Storage/Handling & Fire Warning Mule-Hide #271 Mod Bit Sealant is combustible and should always be kept away from heat, open flame and any source of ignition. Observe normal safeguards for storing and handling of this product prior to and during application.

MULE-HIDE PRODUCTS CO., INC.

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Clean Up: Keep containers covered when not in use. Clean equipment and over spray with kerosene, mineral spirits or petroleum naphtha. Clean hands with waterless hand cleaner.

PRECAUTIONS AND WARNINGS

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 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. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling. Dispose of container and unused contents in accordance with Local, State, and Federal regulations.

KEEP OUT OF REACH OF CHILDREN!

First Aid: In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention immediately; for skin, wash thoroughly with soap and water. If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical attention immediately. If **swallowed**, do not induce vomiting. Get medical attention immediately.

If spilled, contain spilled material and remove with inert absorbent. Dispose of contaminated absorbent, container, and unused contents in accordance with Local, State and Federal regulations.

CUSTOMER SERVICES

Contact Mule-Hide Products Co., Inc. at 800-786-1492.

COMPATIBILITY AND LIMITATIONS

Do not use on wet or damp surfaces, directly over wood or on surfaces previously covered with coal tar products. Not to be installed over or under polystyrene insulation. Do not use to adhere any APP membranes or with any modified bitumen membranes that have a plastic film surface or are metal foil faced. May be used as a topical application on APP membranes. Not to be used with modified bitumen single ply products with polyethylene backing. Not to be used on EPDM, TPO or PVC sheet roofing, wood shingles or over gravel.

DISCLAIMER

The statements provided concerning the material shown are intended as a guide for material usage and are believed to be true and accurate. 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 make nor does it 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 except that it conforms to Mule-Hide's physical properties. Buyer and user accept the product under these conditions and assume the risk of any failure, any injury of 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 complaint or failure before repairs are made.

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