



LUCAS Professional Coatings, Sealants & Adhesives

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#734 MOD-BIT ADHESIVE BRUSH GRADE

PRODUCT DESCRIPTION

Lucas #734 is designed as a cold process inter-ply adhesive for SBS modified bitumen single-ply membranes. Cold process adhesives eliminate the need for hazardous torches and hot asphalt kettles. Lucas Modified Bitumen Adhesives are easy to apply with minimal equipment, effort, and cost. #734 may also be used to adhere polyisocyanurate, perlite and wood fiber insulation and fiberglass and organic base sheets.

Lucas #734 Mod-Bit Adhesive is manufactured from refined polymer modified asphalts, a special solvent blend, and non-asbestos reinforcing fibers. #734 is formulated to spread easily and evenly at the recommended rate of application.

APPLICATION

Lucas Mod-Bit Adhesive should only be applied to surfaces that are sound, clean, and dry. Temperatures should be a minimum of 40° F and there should be no threat of rain. The adhesive may thicken in cold weather. To improve cold weather applicability, store the adhesives in a warm place prior to use. Apply directly from the can; do not thin. The SBS modified bitumen sheets should preferably be cut into sections less than 20 ft. in length and allowed to relax and flatten out before being installed. All laps should be a minimum of 4 inches wide. All laps should be rolled with a weighted roller and end laps should be weighted to insure a proper bond. A bead of adhesive should be evident at all seams. The adhesive may be left open for a short time before the modified roll is embedded to allow some of the solvent to evaporate and improve the initial bond. This time period will vary significantly with weather conditions and the applicator should be careful not to allow the adhesive to set up or skin over before the membrane is installed. Equipment and foot traffic should not be permitted on the new roof until the adhesive has fully cured in order to prevent voids or blisters from forming at pressure points. Lucas #734 Brush Grade should be applied evenly at a rate of 1.5 to 2 gallons per 100 sq. ft., depending upon the absorbency of the substrate. It may be applied with either a brush, roller, suitable spray equipment or, the preferred method on smooth surfaces, a notched squeegee with notches 1/4 inch wide and 1/8 inch deep spaced 1 inch on center. Excessive rates of application may damage the membrane and prolong curing time. Consult the modified bitumen manufacturer if more than one coat of adhesive is to be used in any roof system. Cure time will be between 24 and 48 hours. The strength of the adhesive will continue to increase beyond this initial bonding period.

All application rates are approximate and are derived from our laboratory tests and reported field experience. It is left to the judgment of the applicator to assure that sufficient material is applied for adhesion and coverage. Over application may extend drying time.

Clean Up: Lucas #125 Safe Solve™.

Shelf Life: 2 years minimum.

WARNING! COMBUSTIBLE LIQUID AND VAPOR. Contains petroleum distillates. Keep away from heat and open flames. Avoid prolonged contact with or inhalation of solvent fumes. A

NIOSH approved respirator with organic vapor cartridges is recommended. Do not take internally. If swallowed, do not induce vomiting. Contact medical personnel immediately. Read SDS prior to use. For professional use only. Emergency phone number 1-800-424-9300.

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

#734 SPECIFICATION

ASTM D 3019, Type I, Grade 1
ASTM D 4479, Type II

Viscosity	ASTM D 2196	80,000 cps
Solids by Weight	ASTM D 1644	74%
Solids by Volume	ASTM D 2697	72%
% Asphalt	ASTM D 6511	67%
Lap Strength	ASTM D 6511	72.1 lbf/in
Weight Per Gallon	ASTM D 1147	8.2 lbs.
Flash Point	ASTM D 56	103°F / 39°C
VOC	EPA 24	<250 g/l

Seasonal Grades: Mid-Season only.

Container Sizes: 5, 55 gallon

Colors: Black

This product is Florida Building Code approved. Other certifications:



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Seller warrants that this product shall be free of any defect in material or workmanship under normal use for a period of ONE YEAR from the date of purchase. This warranty does not extend to any defect or failure caused by misuse and/or incorrect application. LIMITATION OF LIABILITY: In the event of a defect or failure falling under this warranty, Buyers sole remedy shall be refund of the purchase price or replacement of the defective material, at Seller's option. Under no circumstances shall Seller be liable for any losses or damages caused by this product, whether direct, indirect, special, incidental or consequential damages, whether based on contract, tort (including negligence) or any other legal theory.

NOTE: Some or all of the foregoing may not apply or may be invalid under the laws applicable to Buyer's purchase or claim. Consult local law to determine the applicability of any of the foregoing in the event of any defect or failure of this product.