



LUCAS *Coatings & Mastics for the Roofing Trade*

R. M. Lucas Co. 3211 S. Wood St. Chicago, IL 60608 (773) 523-4300 rmlucas.com

PRODUCT DATA BULLETIN

#764 MOD-BIT CEMENT - TROWEL GRADE

PURPOSE

Lucas #764 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.

PRODUCT DESCRIPTION

Lucas #764 Mod-Bit Cement is manufactured from refined modified asphalts, a special solvent blend, and non-asbestos reinforcing fibers. The special solvents contained in this product help to create an extremely strong and durable bond between the substrate and the modified bitumen membrane. #764 Trowel Grade is designed for adhering SBS modified bitumen membranes to flashings and other vertical surfaces. Although it was designed as an adhesive, #764 can be used for flashing around vents, pipes, skylights and other roof penetrations as well as for patching high movement areas on SBS and asphalt built-up roofs.

APPLICATION

Lucas Mod-Bit Cement 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 imbedded to allow some of the solvent to evaporate and improve the initial bond. This time period will vary significantly with weather conditions. 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 #766 should be applied evenly at a rate of 2 - 4 gallons per 100 sq. ft. (1/32 to 1/16 of an inch thick), depending upon the absorbency of the substrate. It may be applied with either pointed or notched trowel. 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. Clean up with mineral spirits.

CAUTION

Combustible mixture, keep away from open flames. Do not heat or store above 100° F. Avoid prolonged contact with skin and inhalation of solvent fumes. Keep out of reach of children. Do not take internally. If swallowed, do not induce vomiting. Contact medical personnel immediately.

#764 SPECIFICATION

Applicable ASTM Specifications:	D-4586, D-3019
Recommended Rate of Application	2 to 4 gal. per 100 sq. ft. (1/32 to 1/16 of an inch thick)
%Asphalt	60 min.
%Solids	71 min.
% Non-volatile ASTM D-2823	80 max.
% Mineral Filler Content.	14 min.
VOC	250 g/l max
Weight per gallon	8.6 lbs
Flash Point	+100°F (38.7 ° C)
Container Sizes	5 gallon

Information contained in this bulletin is offered gratis on the basis of our field experience and laboratory tests conducted carefully using modern equipment verified for accuracy. No warranty is expressed or implied beyond the purchase price of the material. We suggest that the user evaluate the product's suitability for a particular use prior to application. We reserve the right to improve, change, or discontinue specifications and products without prior notice.