

LUCAS *Coatings & Mastics for the Roofing Trade*

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PRODUCT DATA BULLETIN

#737 LIQUID MODIFIED COATING

PURPOSE

Styrene Butadiene Styrene (SBS) polymers have been used successfully for many years to modify asphalt for use in roofing and waterproofing. SBS polymers have the unique ability to form a network within the asphalt which modifies its behavior. The asphalt becomes elastomeric, or rubber like, with the ability to stretch and recover in response to building movement and rapid changes in temperature. This technology has been used primarily in the manufacture of SBS modified asphalt roll roofing which includes either a rigid fiberglass or elastic polyester reinforcement. The Lucas Liquid Modified system takes SBS technology one step farther. It utilizes a highly elastomeric modified coating, Lucas #737, and a strong, elastic polyester fabric reinforcement. The primary advantage of this system is its monolithic construction, or lack of any seams. The seams on a traditionally applied SBS roof are the primary source of leaks and callbacks.

The Lucas Liquid Modified System is also superior to other liquid applied systems. Its elastomeric properties make it far more durable than systems using conventional asphalt coatings. Its much shorter drying time allows light foot traffic in about two weeks compared to six to eight weeks for ordinary cold applied systems. #737 Liquid Modified Coating is intended for application to smooth surfaced asphalt roofs, existing modified bitumen roofs and metal roofs including standing seam. #737 may be used successfully on gravel roofs where replacement of the gravel is not desired or if granular surfacing is to be applied.

#737 Liquid Modified Coating may also be used as foundation coating, with or without the reinforcing fabric. Its' rubber like elastomeric properties allow it to bridge non-structural cracks and the polymer modifiers significantly improve asphalt's resistance to moisture penetration.

PRODUCT DESCRIPTION

Lucas #737 Liquid Modified coating is a blend of the highest quality SBS polymers, custom blended asphalts, reinforcing fibers, stabilizers, aromatic and aliphatic petroleum solvents and approved antioxidants. It is formulated to remain homogenous without separation of the rubber phase and to spread easily by brush or spray.

APPLICATION

#737 Liquid Modified Coating is formulated for use with high quality polyester fabrics such as Tietex® T-272. On smooth surfaced roofs the fabric is installed with #737 Liquid Modified Coating, applied evenly by brush or spray at a rate of two gallons per 100 sq. ft. for the first, or adhesive, coat and four gallons per 100 sq. ft. for the top coat. The top coat must be applied in one, continuous application to avoid undersaturation of the fabric. Lap the fabric four to six inches or according to manufacturer's directions. For a two ply system add three gallons per 100 sq. ft. of inter-ply mastic and increase the lap size as needed. The roof must be coated with fibrated aluminum roof coating (Lucas #748) after it has cured thoroughly - approximately four to eight weeks.

Polyester fabric may also be used as a reinforcement when restoring gravel roofs. Traditionally, gravel roofs are treated with a resaturant, such as our #713 or #010 and the gravel replaced. Where gravel is not desired or if the roof is to be surfaced with granules, #737 may be substituted for a resaturant. Coverage rates will vary with the roughness of the roofs surface.

On foundation walls, apply #737 at a rate of 3 gallons per 100 square feet. Additional coats may be added to achieve desired film thickness. If desired, seal form ties with #776 Modified Bitumen Cement.

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

CAUTION

Combustible mixture, keep away from heat and open flame. Avoid prolonged contact with skin or fumes. If irritation occurs seek medical attention. Keep out of reach of children. Read MSDS prior to use.

#737 SPECIFICATION

Applicable Specification	ASTM D-4479 Type I (Asbestos Free)
Viscosity ASTM D-562	625G @ 77°F (25°C) (7,000 cps)
Recommended rate of application	6 gal. Per 100 sq. ft.
% Asphalt	41 min
% Solids	53 min
% Non-volatile	65 max
Weight per gallon	8.0 lbs.
Elongation	1000%*
Recovery (nominal)	95%
Flash Point (TCC)	+100°F (38.7°C)
Container Sizes	1, 5, 55, Bulk

* Test conducted by an independent laboratory.

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