

LUCAS *Coatings & Mastics for the Roofing Trade*

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PRODUCT DATA BULLETIN

#713 Asphalt Bitumen Resaturant

PURPOSE

In recent years, specially refined asphalts, or “dead-level bitumens,” have replaced coal tar as the dominant material used in flat roof construction. This has created a new demand for a coating, compatible with asphalt, to restore the older dried-out asphalt bitumen roofs. #713 Asphalt Bitumen Resaturant has been formulated with the special qualities of penetration, resaturation, flexibility and self-healing required to meet this demand.

PRODUCT DESCRIPTION

Lucas #713 Asphalt Bitumen Resaturant is intended for use only on asphalt bitumen and gravel roofs that are dead-level or near dead-level (maximum pitch $\frac{1}{2}$ inch per foot). Coal tar and gravel roofs should be resaturated with Lucas #010 Coal Tar Resaturant.

Unlike coal tar, asphalts do not have the natural tendencies of self healing and penetration which have made coal tar resaturants so successful for many years. However, recent advances in chemical additives have made it possible to modify the behavior of asphalts to obtain these desired characteristics without resorting to expedients such as coal tar derived creosote, which may be incompatible with the asphalt roof.

Lucas 713 Asphalt Bitumen Resaturant is manufactured from low melt-point refined petroleum asphalt, petroleum solvents, non-asbestos reinforcing fibers, plasticising oils, and special penetration-inducing additives. No coal tar or waste oil derived additives are used in this product. Consistency is maintained for easy application by brush or squeegee.

APPLICATION

Lucas #713 is intended for use only on asphalt bitumen and gravel roofs with a pitch not more than $\frac{1}{2}$ inch per foot. The roof must be clean and dry. All loose gravel must be removed, preferably by vacuuming. Any dirt remaining will be absorbed by the coating and may lead to premature hardening and inflexibility. The cleaned roof must be inspected and all weak, broken or cracked areas patched. Blisters should be opened and allowed to dry, then resealed with polyester fabric and Lucas #766 Elastomeric Cement or #779 Asphalt Mastic Roof Cement - Wet Application. Flashings should be rebuilt with Lucas #753 Polyester Mastic, #737 Liquid Modified or #766 Elastomeric Cement and Polyester Fabric followed by a coating of Lucas Aluminum Roof Coating.

#713 Asphalt Bitumen Resaturant should be applied evenly as it comes from the container, without thinning or heating above ambient temperatures, at the rate of eight gallons per 100 square feet. Do not over-apply. Apply roofing gravel at the rate of 500 lbs. per 100 square feet. Gravel permits a heavier application of coating, protects the coating from ultra-violet degradation, and provides a walking surface. Lucas #713 may be used without gravel, unlike coal tar products. When using without gravel apply at 4 gal. Per 100 sq. ft. and avoid using in areas where foot traffic will be necessary. When Lucas #713 is used with polyester fabrics, please consult our Polyester Roofing Systems literature.

CAUTION

Combustible do not use near heat or 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.

#713 SPECIFICATION

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| Applicable Specification | ASTM D-4479 Type I (Asbestos Free) |
| Viscosity ASTM D-562 | 675g @ 77°F (25°C) 8,000 cps. |
| Recommended rate of application | |
| Without gravel | 4 gal. Per 100 sq. ft. |
| With gravel | 8 gal. Per 100 sq. ft. |
| % Asphalt | 60 min |
| % Solids | 67 min |
| % Non-volatile (ASTM D2823, par 7.3) | 84 max |
| Weight per gallon | 8.0 lbs. |
| Flash Point (TCC) | +100°F (38.7°C) |
| Container Sizes | 5, 55, Bulk |

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.