

BLACKLIDGE®

TECHNICAL DATA SHEET – UltraFuse®

DESCRIPTION

Blacklidge's UltraFuse® Bond Coat is a specially formulated non-tracking polymer modified asphalt cement tack coat used to form an excellent bond between an existing and new hot mix asphalt layer. The material is applied hot, cures hard to the touch in under 30 seconds to form a non-tracking surface, and is immediately ready for an HMA overlay. Upon placement of the overlay, the UltraFuse® Bond Coat is liquefied to form an exceptionally strong adhesive bond between the existing surface and new HMA layer.

USES

Used as a thick, non-tracking, polymerized tack coat for hot mix asphalt pavement construction. Particularly useful in Open Graded Friction Course (OGFC), Bonded Friction Course, thin overlay mixes, and asphalt underseal applications where the material can be applied with asphalt distributors and avoid the use of a specialized "Spray Paver," commonly required in such paving applications.

PHYSICAL PROPERTIES

PARAMETER	TEST METHOD	MIN	MAX
Rotational Viscosity @ 149 °C, cP	AASHTO T316	----	3000*
Penetration @ 25 °C, dmm	ASTM D5	----	25
Softening Point, °C	ASTM D36	70	----
Original DSR @ 82 °C, G*/sin δ, kPa	AASHTO T315	1.0	----

* Rotational viscosity shall be waived if material can be successfully applied in the field.

APPLICATION

UltraFuse® Bond Coat is applied with an asphalt distributor, typically at 350 °F to 375 °F, on a clean and dry surface. Application rates vary depending on the existing surface and type of asphalt overlay, but for conventional HMA overlays, a rate of 0.08 - 0.12 gal/sy is typical. A rate of 0.08 gal/sy is considered to be a minimum recommended rate to obtain uniform coverage with UltraFuse®. For Bonded Pavements requiring a high application rate of tack, 0.13 to 0.18 gal/sy is recommended.

LIMITATIONS

Proper storage, handling, and application guidelines must be followed carefully for best results. Like any hot applied tack coat, the existing surface must be extremely dry and clean. Please contact your Blacklidge representative prior to first use for detailed storage, handling, and application procedures.

CAUTION

For industrial use only. Refer to SDS for further information.

THIS PRODUCT IS NOT SUBJECT TO THE CONTROLLED PRODUCT REGULATIONS.

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