

BLACKLIDGE[®]

TECHNICAL DATA SHEET – LD-7™

DESCRIPTION

Blacklidge's LD-7™ is a specialized anionic asphalt emulsion formulated to “lock down” and secure aggregate on chip seal and other pavement surfaces. LD-7™ emulsion has also been successfully used in many other types of road building applications where a durable, high performing seal is desired. It cures within minutes to form a continuous coating of asphalt over the surface. The multiple advantages of LD-7™ include: improved aggregate retention, reduced binder aging, a long-lasting black surface, improved contrast for striping, and reduced water intrusion. LD-7™ applied on chip seals yields a long-lasting hot mix appearance at a fraction of the cost.

PHYSICAL PROPERTIES

- Boiling Point (°F): 212
- Specific Gravity (H₂O = 1): 1.03
- Solubility in Water: Dispersible
- Appearance and Odor: Brown liquid with Mild Petroleum Odor

PARAMETER	TEST METHOD	MIN	MAX
Tests on Emulsion			
Saybolt Furol Viscosity, SFS @ 25 °C	ASTM D88	10	100
Storage Stability, 1 day, %	ASTM D244	----	1.0
Particle Charge	AASHTO T 59	Negative	
Residue by Evaporation, %	ASTM D244	30	----
Oil Distillate, %	ASTM D244	----	1.0
Sieve Test	ASTM D244	----	0.3
Tests on Residue			
Penetration @ 25 °C, dmm	ASTM D5	----	20
Softening Point, °C	ASTM D36	65	----
Solubility, %	ASTM D2042	97.5	----
Original DSR @ 82°C (G*/SIN d, 10 rad/sec)	AASHTO T 315	1	----

LIMITATIONS

Proper storage, handling, and application guidelines must be followed carefully for best results. As with any emulsion, do not allow the material to freeze or boil because of aggressive heating. Freezing or boiling of LD-7™ will break the emulsion. LD-7™ IS NOT COMPATIBLE WITH CATIONIC EMULSIONS (CRS, CMS, CSS, CQS, etc.). All equipment should be thoroughly cleaned if cationic emulsion was previously present. It is highly recommended for the product to be applied when hot (160°F to 180°F). LD-7™ is applied with conventional distributors, typically at ambient temperatures. Application rates vary depending on the existing surface, so please consult applicable agency specifications to determine required application rates. In any application even, uniform coverage is critical to achieving the best fog seal. If the product is to be stored for an extended period of time, the material should be agitated and/or gently circulated prior to use. Please contact your Blacklidge representative prior to first use for detailed storage and handling 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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