

BLACKLIDGE[®]

TECHNICAL DATA SHEET – ReCharge[™]

DESCRIPTION

ReCharge[™] is a specially engineered additive system developed by Blacklidge to enable the construction of low traffic roads with 100% recycled asphalt pavement (RAP) material at ambient temperatures without the need for addition of asphalt material. ReCharge allows for easy blending, spreading, and compaction of RAP material by activating the already-present aged asphalt binder on the surface of RAP aggregate and by restoring its performance WITHOUT the addition of any heat. The resulting cold mix can be spread onto a surface and compacted like a traditional hot mix asphalt. Within a few hours, the pavement hardens and is ready for traffic.

The ReCharge system is ideally suited for low traffic and light load applications. It can be a less costly alternative to dirt or gravel roads, and results in a smooth, black paving surface when properly applied.

RECOMMENDED DOSAGES

Dosage Per TON of RAP		
Effective Binder % in RAP	Effective Binder % in Final Mix	ReCharge (gallons)
4.5%	4.9%	2.3
5.0%	5.5%	2.6
5.5%	6.0%	2.9

SPECIFICATION

PARAMETER	TEST METHOD	Min	Max
Viscosity, Saybolt Furol, 77 ^o F, sec	AASHTO T72	5	25
Specific Gravity	ASTM D4052	0.800	1.000
Asphaltenes ¹ , %	ASTM D6560	0	0.5
Saturates ² , %	ASTM D6560 + IP 469	5	20
Gaestel Instability Index ³ , I _c	ASTM D6560 + IP 469	0.050	0.300

¹The SARA fractions of the sample are to be determined by first measuring the % asphaltenes using ASTM D6560 (IP 143)

²The SAR fractions are to be determined on the maltene fraction separated during ASTM D6560 using the standard method for Iatroscan TLC-FID, IP 469

³Gaestel Instability Index, I_c = $\frac{\text{Saturates} - \text{Asphaltenes}}{\text{Resins} + \text{Aromatics}}$

LIMITATIONS

Proper application guidelines must be followed carefully for best results. Store ReCharge[™] in a tank suitable for holding FLAMMABLE, petroleum-based solvents. Please contact your Blacklidge representative for detailed full product guide and prior to first use for comprehensive instructions.

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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