



# TECHNOLOGY BRIEF

## LIQUID BLEND SPECIFICATION

### GENERAL

This specification governs the Liquid Asphalt Blend utilized in the production of High Performance Patching Material. The EZ STREET Liquid Asphalt Blend shall not strip from the approved aggregate and shall be available in various seasonal grades which yield a total ambient temperature workability range of -15°F (-26°C) to 100°F (38°C). The EZ STREET Liquid Asphalt Blend will impart to the aggregate qualities, which will allow the EZ STREET High Performance Patching Material to be effective and suitable for wet or dry weather conditions. The EZ STREET Blend will give the patching mixture excellent coating, workability and adhesion characteristics. The resulting stockpiles of EZ STREET Cold Mix of 100 tons or more must maintain all performance features for at least 12 months. See the EZ STREET High-Performance Guarantee. EZ STREET will determine the appropriate grade of EZ STREET Liquid Asphalt Blend based on the region, season and approved aggregate.

### EZ STREET LIQUID ASPHALT BLEND (FULL SCALE ENCOMPASSING ALL GRADES)

ASTM D 2170	Kinematic Viscosity @140° F (60 C)	350 to 4000 cSt (mm2/s)
ASTM D 1310	Flash Point, Tag Open Cup	200° F (93° C) minimum
ASTM D 92	or EZ Street Tag Open Cup	200° F (93° C) minimum
ASTM D 95	Percentage of Water	Less than 0.2%
ASTM D 402	Distillation	See Values Below

Temperature	Volume % Total Distillate (Min/Max)	Volume % Original Sample (Min/Max)
to 437° F (225°C)	0      0	0      0
to 500° F (260°C)	0      0.5	0      0
to 600° F (316°C)	10     65	0      18
<b>Residue from distillation to 680°F</b> (360°C)% Volume by Difference		<b>73    95</b>

ASTM D 2171	Absolute Viscosity @ 140°F (60°C)	125-425 Poises
ASTM D 5*	Penetration, Modified with Cone	180 Minimum
ASTM D 113	Ductility, 39°F (4°C), 1cm/minute	100 Minimum
ASTM D 2042	Solubility in Trichlorethylene	99% Minimum

Note 1 Make this test in accordance with ASTM Method D 5, except utilize a penetration cone in place of the standard penetration needle. The cone shall conform to the requirements given in ASTM Method D 217, except that the interior construction may be modified as one desires. The total moving weight of the cone and attachments must be 150.0 plus or minus 0.1 grams. Also, the level of the water in the transfer dish shall be lowered to less than the height of the sample cup and decant any water from the surface of the sample before transferring from the constant temperature bath to the penetrometer.

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