



TECHNOLOGY BRIEF

STABILITY TESTING

“Recent Licensee Laboratory Testing of EZ Street Cold Asphalt resulted in a 34% higher stability rating over other high performance asphalt patches on the market.”

TEST PROCEDURE

Work was recently done by Superfos Construction US’s Research and Development Team to compare EZ Street Cold Asphalt to other cold asphalt products to determine EZ Street Cold Asphalt’s efficacy in the marketplace. Utilizing a modified [Marshall Stability Test](#), both non-immersed and immersed stability as well as flow was obtained for both EZ Street Cold Asphalt and another product. Results of the test are outlined in the tables below:

34% Higher Stability



TEST RESULTS

EZ Street SAMPLE	% AC	% AIR VOIDS	AVG. AIR VOIDS	DESCRIPTION	STABILITY (LBS.)	AVG. STABILITY	STABILITY SPEC.	FLOW (INCHES)
E.1	Unknown	9.3	9.6	Conditioned two hrs. in air bath	1375	1344	Minimum 750 lbs.	0.11
E.2	Unknown	10.0			1287			0.11
E.3	Unknown	9.5			1370			0.12
E.4	Unknown	10.2	10.3	Conditioned in water bath for four days	1285	1287 96%	Minimum 75% Stab. Ret.	0.14
E.5	Unknown	10.4			1295			0.13
E.6	Unknown	10.2			1280			0.13

COMPETITOR	% AC	% AIR VOIDS	AVG. AIR VOIDS	DESCRIPTION	STABILITY (LBS.)	AVG. STABILITY	STABILITY SPEC.	FLOW (INCHES)
K.1	6.0	12.4	12.9	Conditioned two hrs. in air bath	910	1003	Minimum 750 lbs.	0.105
K.2	6.0	13.1			1075			0.095
K.3	6.0	13.1			1025			0.12
K.4	6.0	12.9	12.9	Conditioned in water bath for four days	960	927 92%	Minimum 75% Stab. Ret.	0.155
K.5	6.0	12.9			840			0.145
K.6	6.0	13			980			0.135

FIELD INTERPRETATION

In the realm of traditional hot mix design, high stability and good flow generally means that a mix design is sound; physical properties are suitable for its intended use. In this test, EZ Street Cold Asphalt yielded “hot mix” results. Utility cut patching and small overlay construction require mixes with good stability results. Based on these test results, EZ Street Cold Asphalt is a viable “flexible” alternative to hot mix in certain applications. And, if its potholes you are patching with EZ Street Cold Asphalt...rest assured, your patch is not going anywhere soon.

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