

## TECHNICAL DATA SHEET – OptiSeal

### DESCRIPTION

OptiSeal is a polymerized asphalt emulsion coating formulated for pavement preservation. Using carefully selected unique polymers and high performing minerals to increase toughness, adhesion and resistance to wear. Also has increased aggregate amount to improve the skid resistant texture for vehicle traffic.

Tests on Emulsion	TEST METHOD	MIN	MAX
Saybolt Furol Viscosity, SFS @ 25 °C	ASTM D7496	20	100
Sieve Test	ASTM D6933	----	0.1
Residue by Distillation	ASTM D6977	57	----
Oil Distillate, %	ASTM D6977	----	3.0
Storage Stability, 24 hr, %	ASTM D6930	----	1.0
Particle Charge	ASTM D7402	Positive	
Cement Mixing Test, %	ASTM D6935	----	2.0
Tests on Residue			
Penetration @ 25 °C, dmm	ASTM D5	20	60
Ductility @ 25 °C	ASTM D113	40	----
Solubility, %	ASTM D2042	97.5	----
Tests on Concentrate			
Cone Penetration, mm	ASTM D217	340	700
% Non-volatile	ASTM DA-1	50	--
% Non-volatile Soluble in Trichloroethylene	ASTM D2042	10	35
Wet Track Abrasion Test, grams loss	ASTM D3910	--	35
Dry Time	ASTM D5895	--	4 Hours
Typical Density, lbs/gal	ASTM D244	10	--
Solid Content by Evaporation	ASTM T-59	53	--
Rotational Viscosity @20 RPM/RV spindle, cPs	ASTM D2196	800	4000
Wet and Dry tape Adhesion	ASTM D3359	No Peeling or Flaking	
Mandrel Bend	ASTM D2939	No Flaking	
Adhesion Strength on Asphalt Pavement, PSI	ASTM D7234	Report	
Cured Film Color		Dark Black	

Aggregate Specification	
US Mesh	Typical Retain
20	0-5%
30	0-5%
40	5-20%
50	45-65%
70	15-35%
80	0-5%
PAN	0-1%

**A.** Required latex content by weight shall be minimum 3%.\*\*

**B.** Aggregate content by weight is minimum 12%.\*\*

**C.** Product is ready to use.

**Application Rate:** 2 coats recommended: Minimum is 0.45 gal/sq yd  
First coat: Minimum 0.25 gal/sq yd.

**Storage:** Mix at least daily for minimum 10 mins.

**Transportation:** USDOT Not Regulated

\*\*Percentages are by weight of finished product

### LIMITATIONS

Proper storage, handling, and application guidelines must be followed carefully for best results. As with any sealcoat, do not allow the material to freeze or boil because of aggressive heating. OptiSeal IS NOT COMPATIBLE WITH ANIONIC SEALCOATS. All equipment should be thoroughly cleaned if anionic products were previously present.

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