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RS-LTP

SPECIFICATIONS FOR POLYMER MODIFIED ANIONIC EMULSIONS FOR LOW TEMPERATURE SEALCOAT

This emulsion is intended for use in placing sealcoat or surface treatments when the air and roadway temperatures are 5° C and rising. The emulsion must break and cure in a reasonable amount of time when aggregate is to be applied regardless of sunlight or humidity condition.

The asphalt shall be polymer modified prior to emulsification. The emulsion shall be smooth and homogeneous and confirm to the following requirements.

PROPERTIES	MIN	MAX
Viscosity SFS @ 50°C	50	
Storage Stability, 1 day		1
Demulsibility, 0.02 N CaCL ₂ , 35 ml, %		60
Sieve %		0.10
Breaking Index @ 25° C		80*
Residue by 204°C Distillation, %	65**	

TESTS ON RESIDUE FROM DISTILLATION

Penetration @ 25°C, dmm	150	300
Elastic Recovery, 10° C 20 cm elongation standard mold, 5 minute relaxation, %	45*	
Force ratio (f**/f*), 4°C, 5 cm/min., 30 cm elongation	0.15*	

* See attached procedure

** The Standard Distillation procedure shall be modified as follows: The temperature on the lower thermometer shall be brought slowly to 204° plus or minus 5° Celsius and maintained at this point for 20 minutes. Complete the total distillation in 60 plus or minus 15 minutes from the first application of heat.

2/10/2000

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