Cut Back Bitumen

General of Cutback Bitumen

Cutback bitumen is produced by adding petroleum distillates, such as kerosene. This action reduces the viscosity of the bitumen temporarily so it can penetrate pavements more effectively or to allow spraying at temperatures that are too cold for successfully sprayed sealing with neat bitumen. The materials which added to bitumen will vaporize after application to leave the remaining material similar in hardness to the original bitumen.

Cutback Bitumen Uses

The process of prime coat involves using a low viscosity binder to a prepared. It is planned to be absorbed by the top layers of the base and provide a surface more easily wetted by a subsequent bitumen covering.

Characteristics	MC-30	MC-70	MC-250	MC-800	MC-3000	Test method
	Min-max	Min-max	Min-max	Min-max	Min-max	
Kinematic viscosity at60 ℃ Cmm 2/s	30-60	70-140	250-500	800-1600	3000-6000	ASTMD2170
Flash Point (tagopen.cup) ℃	38-xx	38-xx	66-xx	66-xx	66-xx	ASTMD3143
Distillate test.distilate volume percent of total distillate to 360℃						
To 225℃	xx-35	xx-25	xx-20	xx-xx	xx-xx	ASTMD402
To 260℃	30-75	10-70	5-55	xx-40	xx-15	ASTMD402
To 316℃	75-95	65-93	60-90	45-85	15-75	ASTMD402
Residue from distillation to 360℃ percent volume by difference	50-xx	55-xx	67-xx	75-xx	80-xx	ASTMD402
Tests on Residue from distillation						
Viscosity at 60℃	30-120	30-120	30-120	30-120	30-120	ASTMD2170
Penetration at 25℃	120-300	120-300	120-300	120-300	120-300	ASTMD5
Ductility at 25℃	100-xx	100-xx	100-xx	100-xx	100-xx	ASTMD113
Solubility in Trichloroethylene,%	99-xx	99-xx	99-xx	99-xx	99-xx	ASTMD2042
Water%	xx-0.2	xx-0.2	xx-0.2	xx-0.2	xx-0.2	ASTMD95