

SC (Slow Curing)

This bitumen, as its name suggests, is much heavier than MC and RC bitumen. Heavy solvents such as diesel and black oil are used to produce this slow-curing bitumen. This bitumen does not evaporate under normal conditions, but undergoes molecular changes.

CUTBACK SPECIFICATION	TEST METHOD	UNIT	SC-70	SC-250	SC-800	SC-3000
Kinematic viscosity @ 60 C° (140 °F)	ASTM D-2170	cSt	70/140	250/500	800/1600	3000/6000
Flash point (Tag open-cup) , min	ASTM D-92	°C (°F)	66/ (150)	79 (175)	93 (200)	107 (225)
DISTILLATE TEST						
Total to 360 °C (680°) , volume % min/max	ASTM D-402	-	30-Oct	20-Apr	12-Feb	.../5
Softening in Trichloroethylene , min	ASTM D-2042	%wt	99	99	99	99.5
Kinematic viscosity on disblation residue @ 60 °C (140 °F) min/max	ASTM D-2170	cSt	400-7000	800-1000	2000-16000	4000-3500
ASPHALT RESIDUE						
Residue of 10 penetration , min	ASTM D-243	%	50/...	60/...	70/...	80/...
Ductility 100 penetration residue @ 25 °C (77 °F) min	ASTM D-113	cm	100	100	100	100
Water , max	ASTM D-95	%vol	0.5	0.5	0.5	0.5