

## SPECIFICATIONS OF BITUMEN

<b>R85/25BITUMEN 60/70</b>		
	Specification	Test method
Specific gravity @25/25 C	1.01-1.06	D-70
Penetration @25 C	60/70	D-5
Softening point C	49/56	D-36
Ductility @25 C	100 min	D-113
Loss on heating (wt)%	0.2 max	D-6
Drop in penetration after heating %	20 max	D-6 & D-5
Flash point C	250min	D-92
Solubility in CS2 (wt)%	99.5 min	D-4
Spot test	negative	*A.A.S.H.O.T.102
* American association of state highway officials		

<b>BITUMEN 85/100</b>		
	Specification	Test method
Specific gravity @25/25 C	1.01-1.05	D-70
Penetration @25 C	85/100	D-5
Softening point C	45/52	D-36
Ductility @25 C	100 min	D-113
Loss on heating (wt)%	0.5 max	D-6
Drop in penetration after heating %	20 max	D-6 & D-5
Flash point C	232 max	D-92
Solubility in CS2 (wt)%	99.5 min	D-4
Organic matter insoluble in CS2 (wt)%	0.2 max	D-4
Spot test	negative	*A.A.S.H.O.T.102
* American association of state highway officials		

<b>BITUMEN 30/40</b>		
	<b>Specification</b>	<b>Test method</b>
Specific gravity @25/25 C	1.01-1.06	D-70
Penetration @25 C	30/40	D-5
Softening point C	55/63	D-36
Ductility @25 C	100 min	D-113
Loss on heating (wt)%	0.2 max	D-6
Drop in penetration after heating %	20 max	D-6 & D-5
Flash point C	250min	D-92
Solubility in CS2 (wt)%	99.5 min	D-4
Organic matter insoluble in CS2 (wt)%	-	D-4
Spot test	negative	*A.A.S.H.O.T.102
* American association of state highway officials		

<b>BITUMEN 40/50</b>		
	<b>Specification</b>	<b>Test method</b>
Specific gravity @25/25 C	1.01-1.06	D-70
Penetration @25 C	40/50	D-5
Softening point C	52/60	D-36
Ductility @25 C	100 min	D-113
Loss on heating (wt)%	0.2 max	D-6
Drop in penetration after heating %	20 max	D-6 & D-5
Flash point C	250min	D-92
Solubility in CS2 (wt)%	99.5 min	D-4
Spot test	negative	*A.A.S.H.O.T.102
* American association of state highway officials		

<b>BITUMEN 100/120</b>		
	<b>Specification</b>	<b>Test method</b>
Specific gravity @25/25 C	1.01-1.04	D-70
Penetration @25 C	100/120	D-5
Softening point C	42/49	D-36
Ductility @25 C	100 min	D-113
Loss on heating (wt)%	0.2 max	D-6
Drop in penetration after heating %	20 max	D-6 & D-5
Flash point C	250	D-92
Solubility in CS2 (wt)%	99.5 min	D-4
Organic matter insoluble in CS2 (wt)%	0.2 max	D-4
Spot test	negative	*A.A.S.H.O.T.102
* American association of state highway officials		

<b>BITUMEN R90/15</b>		
	<b>Specification</b>	<b>Test method</b>
Specific gravity @25/25 C	1.05 approx	D-70
Penetration @25 C	10/20	D-5
Softening point C	85/95	D-36
Ductility @25 C	1.5 min	D-113
Loss on heating (wt)%	0.2 max	D-6
Flash point C	225 max	D-92
Solubility in CS2 (wt)%	99 min	D-4

<b>BITUMEN R85/25</b>		
	<b>Specification</b>	<b>Test method</b>
Specific gravity @25/25 C	1.05 approx	D-70
Penetration @25 C	20/30	D-5
Softening point C	80/90	D-36
Ductility @25 C	3 min	D-113
Loss on heating (wt)%	0.2 max	D-6
Flash point C	225 max	D-92
Solubility in CS2 (wt)%	99 min	D-4

<b>BITUMEN MC-250</b>		
	<b>Specification</b>	<b>Test method</b>
Kin.vis.@60 C	Cst.250-500	D-2170
Flash point (tag open-cup) C	66 min	D-3143
Distillation test		D-402
Distillate, vol%of total distillate to 360C		
To 225 C	(vol)% 10 max	
To 260 C	(vol)% 15-55	
To 316 C	(vol)% 60-87	
Residue from distillation		
To 360 C	(vol)% 67 min	
Test on residue from distillation:		
ductility@25 C	Cms. 100 min	D-113
Penetration @25 C	120-250	D-5
Solubility in trichloroethylene	(Wt)% 99.0 min	D-2042
Water content	(vol)% 0.2.max	D-95