

Spot test

PENETRATION GRADE BITUMEN 30/40 Value Test Standard Property Specific Gravity @ 1.01/1.06D-70 25/25°C Penetration @ 25'C 30/40 D-5 Softening Point'C 55/63 D-36 Ductility @25'C 100 min D-113 Loss on Heating 0.2 max D-6 (wt)% Drop in Penetration 20 max D-6 & D-5 after Heating% 250 min D-92 Flash Point'C Solubility in 99.5 min D-4 CS2(wt)% Organic Matter Insoluble in D-4 CS2(wt)%

PENETRATION GRADE BITUMEN 40/50 Test Standard Property Value Specific Gravity @ 1.01/1.06D-70 25/25°C Penetration @ 25'C 40.5 D-5 Softening Point'C 52/60 D-36 Ductility @25'C 100 min D-113 Loss on Heating 0.2 max D-6 (wt)% Drop in Penetration 20 max D-6 & D-5 after Heating% Flash Point'C 250 min D-92 Solubility in 99.5 max D-4 CS2(wt)% Spot test Negative *A.A.S.H.O.T.102

Negative *A.A.S.H.O.T.102

PENETRATION GRADE BITUMEN 85/100			
Property	Value	Test Standard	
Specific Gravity @ 25/25'C	1.00/1.05	5D-70	
Penetration @ 25'C	85/100	D-5	
Softening Point'C Ductility @25'C	45/52 100 min	D-36 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	225 min	D-92	
Solubility in CS2(wt)%	99.5 max	D-4	
Organic Matter Insoluble in CS2(wt)%	0.2 max	D-4	
Spot test	Negative	*A.A.S.H.O.T.102	
PENETRATION GR Property Specific Gravity @ 25/25'C	XADE BIT Value 1.01- 1.04	TUMEN 100/120 Test Standard D-70	
Property Specific Gravity @	Value 1.01-	Test Standard D-70	
Property Specific Gravity @ 25/25'C Penetration @ 25'C	Value 1.01- 1.04	Test Standard D-70	
Property Specific Gravity @ 25/25'C Penetration @ 25'C Softening Point'C Ductility @25'C	Value 1.01- 1.04 100/120	Test Standard D-70 D-5 D-36	
Property Specific Gravity @ 25/25'C Penetration @ 25'C Softening Point'C	Value 1.01- 1.04 100/120 42/49	Test Standard D-70 D-5 D-36 D-113	
Property Specific Gravity @ 25/25'C Penetration @ 25'C Softening Point'C Ductility @25'C Loss on Heating	Value 1.01- 1.04 100/120 42/49 100 min 0.2 max	Test Standard D-70 D-5 D-36 D-113	
Property Specific Gravity @ 25/25'C Penetration @ 25'C Softening Point'C Ductility @25'C Loss on Heating (wt)% Drop in Penetration	Value 1.01- 1.04 100/120 42/49 100 min 0.2 max	Test Standard D-70 D-5 D-36 D-113 D-6	
Property Specific Gravity @ 25/25'C Penetration @ 25'C Softening Point'C Ductility @25'C Loss on Heating (wt)% Drop in Penetration after Heating% Flash Point'C Solubility in CS2(wt)%	Value 1.01- 1.04 100/120 42/49 100 min 0.2 max 20 max	Test Standard D-70 D-5 D-36 D-113 D-6 D-6 & D-5 D-92	
Property Specific Gravity @ 25/25'C Penetration @ 25'C Softening Point'C Ductility @25'C Loss on Heating (wt)% Drop in Penetration after Heating% Flash Point'C Solubility in	Value 1.01- 1.04 100/120 42/49 100 min 0.2 max 20 max 250	Test Standard D-70 D-5 D-36 D-113 D-6 D-6 & D-5 D-92 D-4	
Property Specific Gravity @ 25/25'C Penetration @ 25'C Softening Point'C Ductility @25'C Loss on Heating (wt)% Drop in Penetration after Heating% Flash Point'C Solubility in CS2(wt)% Organic Matter Insoluble in	Value 1.01- 1.04 100/120 42/49 100 min 0.2 max 20 max 250 99.5 min 0.2 max	Test Standard D-70 D-5 D-36 D-113 D-6 D-6 & D-5 D-92 D-4	

PENETRATION GR Property	ADE BIT Value	TUMEN 60/70 Test Standard
Specific Gravity @ 25/25°C	1.01/1.06	5D-70
Penetration @ 25'C	60/70	D-5
Softening Point'C Ductility @25'C	49/56 100 min	D-36 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 min	D-92
Solubility in CS2(wt)%	99.5 min	D-4
Spot test	Negative	*A.A.S.H.O.T.102
BLOWN BITUMEN	R90/15	1
Property	Value	Test Standard
Specific Gravity @ 25/25°C	1.05 approx	D-70
Penetration @ 25°C	Oct-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 Solubility in	225 max	
CS2(wt)%	99 min	D-4
BLOWN BITUMEN	R85/25	1
Property	Value	Test Standard
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

CUTBA	CK	BITIM	MEN	MC-250
			****	1110 200

Water content

Test Standard Property Value Cst. 250-D - 2170 Kin.vis.@60°C 500 Flash point(Tag open 66 min D - 3143 - cup)'C Distillation test D - 402 Distillate, Vol%of total distillate to 360°C (vol)% to 225°C 10max (vol)% to 260°C 15-55 (vol)% to 316'C 60 - 87Residue from distillation (vol)% To 360'C 67 min Cms. Ductility@25'C D - 113 100 min 120-250 D - 5 Penetration@25'C Solubility in (wt)% D - 2042 trichloroethylen 99.0 min (vol)%

0.2 max

D - 95

NA	~	2	0
M)	u

Application Rate	From 0,6 litre per m2 to 1,2 litre/m2		
Spraying/Application Temperature	on 60 - 80°C		
Appearance	Black		
••	MIN	MAX	
Kinematic Viscosity 60°C, cSt	70	140	
Distillation @			
101,325 kPa			
Distillate, % by Vol.			
of Total Distillate to	MIN	MAX	
360°C			
to 190°C	-	.=	
to 225°C	10	50	
to 260°C	40	80	
to 316°C	80	95	
	MIN	MAX	
Residue from			
Distillation to 360°C			
% Vol.	55	2 2	
of Original Sample			
	MIN	MAX	
Penetration at 25°C			
on Residue from	90	180	
Distillation			