

EXPORTERS AND SUPPLIERS OF BITUMEN

Leading Manufacturers, Exporters, Packers and Suppliers of Penetration Bitumen and Oxidized Bitumen to Worldwide destination ports.

TIGER CEMENT LIMITED owned by HY International Group is well known Brand of Bitumen for various Grades of Penetration Bitumen and Oxidized Bitumen. Tiger Bitumen sourced from Best Refineries located in Middle East and South East Asia having State of the Art technologies. Bulk Bitumen acquired in Bitumen Vessels and further packed in New Drums at our Packaging Facilities located in Jebel Ali Free Zone – Dubai UAE and Karachi Export Processing Zone (Karachi Free Zone) for re-exportation purpose. Our strategically and geographically located facilities Jebel Ali Free Zone – Dubai – UAE and Karachi Export Processing Zone (Karachi Free Zone) enable us to offer prompt and direct shipment deliveries from Karachi Port and Port Qasim. Our facilities located within proximity of 20 Km from Karachi Port / Port Qasim Major Karachi Free Zone facility to major African and European Ports with Direct Vessel Services within 3 days of order confirmation. Last but not least, our annual and bi-annual contracts with Refineries enable us to offer Best Competitive Prices all the year around.

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ABOUT US

WHO WE ARE

Manufacturers and Exporters of Asphalt Cement Products - BITUMEN

TIGER CEMENT LIMITED is the subsidiary of HY International Group (HYG) recognized internationally as a Leading Manufacturer and Exporter of Premium Quality Tiger Ordinary Portland Cement and Tiger Asphalt Cement Bitumen Products including, Penetration Bitumen, Performance Grades Bitumen, Viscosity Grades Bitumen, Australian Standard Bitumen, Oxidized Bitumen, Cutback Bitumen, Coat Bitumen and Emulsion Bitumen. Our Wide Range of Innovative Bitumen Products are designed and sourced to meet the Challenges of Road Construction, Roofing, Coating, Water Proofing and Airport sectors also, alongside Specialty and Industrial applications. Our Tiger Cement and Tiger Bitumen Products have already captured the substantial share of the Construction Market due to the High Quality, Reliability and Customer satisfaction in Africa and Europe.



WHERE ARE WE LOCATED

JEBEL ALI FREEZONE & KARACHI EXPORT PROCESSING ZONE (KEPZ)

Our shipping, storing, drumming and warehousing facilities are strategically and geographically located in **Jebel Ali Free Zone – Dubai - UAE** and Karachi Export Processing Zone **(Karachi Free Zone)** 20 KM from Loading Ports including Jebel Ali and Karachi Port respectively.

OUR SUPPLIERS

Our main feedstock suppliers are Bitumen refineries & manufacturers based in Middle East. Our Middle East facilities acquire bulk Bitumen in vessels with volumes comprising around 30,000 Metric Tons each cargo directly from Bitumen Manufacturers either they are Bitumen Refineries (VB Based) or State of the art Oil Refinery. Whereas, our Karachi Export Processing Zone facilities acquire and exports **Bitumen in Drums**.

Bitumen Products – Asphalt Cement Products

Exporter and Supplier of Wide Range Bitumen Products

Tiger Bitumen is well known Brand in Bitumen Market. Our Bitumen Products are sourced from Best Refineries located in Middle East and South East Asia. We have Wide Range of Bitumen Products including, Penetration Bitumen, Performance Bitumen, Viscosity Bitumen, Australian Standard Bitumen, Oxidized Bitumen, Cutback Bitumen, Coat Bitumen and Emulsion Bitumen. We are Leading Exporter and Supplier of High Quality Bitumen Grades and Standards which are Compliance with National and International Standards.





Premium Quality PENETRATION BITUMEN

Penetration Bitumen is semi hard black material known as Petroleum Grade Bitumen which is produced by blowing hot air into the vacuum bottom.





High Quality PERFORMANCE BITUMEN

Performance Grade Bitumen is the Latest Standard of bitumen. It is new method bitumen standard which based on varying temperatures.





Premium Quality VISCOSITY BITUMEN

Viscosity Grade Bitumen is mostly used as a Paving Grade and it's suitable for Road Construction and for the Asphalt pavements producing with premier attributes. Viscosity Grade Bitumen is usually used in the production of Hot Mix Asphalt.





High Quality
AUSTRALIAN BITUMEN

Classes of Bitumen under the Australian Standard are determined by Viscosity measured at 60°C Pa.s. Other blends using a combination of standard grade bitumen are also available on request.





Premium Quality

OXIDIZED BITUMEN

Oxidized Bitumen is produced by blowing hot air into the Penetration Bitumen. This action makes the Bitumen more rubbery than its original formula and it becomes harder.





High Quality

CUTBACK BITUMEN

Cutback Bitumen is dissolved in a solvent. Typical solvents include Naptha, Gasoline and Kerosene, White Spirit etc. The type of solvent controls the Curing time while the amount determines the Viscosity of the Cutback Bitumen.





Premium Quality

COAT BITUMEN

The Bitumen Coatings are also characteristically non-viscous materials which are not thixotropic and are therefore ordinarily applied as thin films.





High Quality
EMULSION BITUMEN

Emulsion Bitumen is a Binding material, consisting of Water and Bitumen. Emulsion is a disperse system, with particles of bitumen dispersed in water.





Exporter and Supplier of Penetration Grade Bitumen

Penetration Bitumen is Semi Hard Black material known as Petroleum Grade Bitumen which is produced by blowing hot air into the vacuum bottom. Penetration Grade Bitumen is mainly used in road surfacing. Bitumen with Lower Penetration Grade is used in the regions with Warm climate while Higher Penetration Grade is used in Cold weather. Tiger Bitumen Company has the capability to Export and Supply the different Grades of Penetration Bitumen in compliance with National and International standards.



Penetration Bitumen 30/40 Specifications

Penetration Grade Bitumen 30/40			
Property	Specifications	Test Method	
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	
Flash point °C	250 Min	D – 92	
Solubility in CS2(wt) %	99.05 Min	D – 4	
Drop in penetration after heating %	20 Max	D-5	
Density @25 °C	1.01/1.06	D-70/D-3289	
Spot test	Negative	A.A.S.H.O.T102	



Penetration Bitumen 40/50 Specifications

Penetration Grade Bitumen 40/50			
Property	Specifications	Test Method	
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	
Flash point °C	250 Min	D – 92	
Solubility in CS2(wt) %	99.05 Min	D – 4	
Drop in penetration after heating %	20 Max	D – 5	
Density @25 °C	1.01/1.06	D-70/D-3289	
Spot test	Negative	A.A.S.H.O.T102	



Penetration Bitumen 60/70 Specifications

Penetration Grade Bitumen 60/70			
Property	Specifications	Test Method	
Penetration @ 25 °C	60/70	D-5	
Specific Gravity @25/25 °C	1.01/1.06	D - 70	
Softening Point	48/56	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	240 Min	D -92	
Solubility in CS2(wt) % n CS2 (wt)	99.5 Min	D-4	
Spot test	Negative	A.A.S.H.O.T102	



Penetration Bitumen 80/100 Specifications

Penetration Grade Bitumen 80/100			
Property	Specifications	Test Method	
Penetration @ 25 °C	80/100	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	
Flash point °C	225 Min	D – 92	
Solubility in CS2(wt) %	99.05 Min	D – 4	
Drop in penetration after heating %	20 Max	D-5	
Density @25 °C	1.01/1.06	D-70/D-3289	
Spot test	Negative	A.A.S.H.O.T102	



Penetration Bitumen 85/100 Specifications

Penetration Grade Bitumen 85/100			
Property	Specifications	Test Method	
Penetration @ 25 °C	85/100	D-5	
Specific Gravity @25/25 °C	1.01 – 1.06	D - 70	
Softening point °C	43/51	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	240 Min	D – 92	
Solubility in CS2(wt) % n CS2 (wt)	99% Min	D – 4	



Penetration Bitumen 100/120 Specifications

Penetration Grade Bitumen 100/120			
Property	Specifications	Test Method	
Density	04/1-01/1	ASTM D – 7	
Penetration Rate at 25 °C	100 – 120	ASTM D – 5	
Softening point °C	42 – 49	ASTM D – 36	
Ductility 25 °C (cm)	Min 100	ASTM D – 113	
Flash point °C	Min 250	ASTM D – 92	
Solubility Disulfide % wt.	5/99	ASTM D – 4	
Stain Test	Negative	AASHOT T 102	
Weight Loss by Heating % Wt.	Max 20	ASTM D – 6	
Weight Loss by Heating %	Max 20	ASTM D-6/D-5	



Penetration Bitumen 160/220 Specifications

Penetration Grade Bitumen 160/220			
Property	Specifications	Test Method	
Penetration @ 25 °C	160/220	D-5	
Softening point °C	35/43	D – 36	
Ductility @25 °C	100 Min	D – 113	
Loss on heating (wt) %	0.2 Max	D-6	
Flash point °C	250 Min	D – 92	
Solubility in CS2 (wt) %	99.0 Min	D – 4	
Drop in penetration after heating %	20 Max	D-5	
Density @25 °C	1.01/1.06	D-70/D-3289	
Spot test	Negative	A.A.S.H.O.T102	

COMMITTED

Supplier of Penetration Grade Bitumen



Performance Grades Bitumen

PG 52, PG 58, PG 64, PG 70 and PG-76

Performance Grade Bitumen is the Latest Standard of bitumen. It is new method bitumen standard which based on varying temperatures. This method studies the mechanical specifications of bitumen. Since in this method, a temperature range is defined for bitumen, the consumer can easily choose the desired product. Performance Grade is determined for polymer modified bitumen and pure bitumen based on environmental conditions and temperature. The wider PG Grades Range the higher resistance and more favorable specifications.

Performance Grade PG 52-10 Bitumen Specifications



Performance Grade Bitur	0	
Property	PG 52 -10	Test Method
Average 7-day maximum pavement Design Temperature, °C	52	
minimum pavement Design Temperature, °C	> -10	
Original Binder		
Flash Point Temperature Minimum °C	230	AASHTO T48
Viscosity maximum 3 Pa.s, Test Temperature, °C	135	AASHTO T316
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, °C	52	AASHTO T315
Rolling Thin Film Oven Test		AASHTO T240
Mass change maximum percent	1	
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, @ 10 rad/s °C	52	AASHTO T315
Pressure Aging Vessel		AASHTO R28
PAV aging Temperature, °C	90	
Dynamic Shear G*/sin maximum 5000 KPa Test Temperature, @ 10 rad/s °C	25	AASHTO T315
Creep Stuffiness S maximum 300 Mpa m-value minimum 0.300 Test Temperature, @ 60s °C	0	AASHTO T313
Direct Tension Failure strain minimum 1 % Test Temperature @ 1mm/min, °C	0	AASHTO T314
Critical low cracking Temperature Critical cracking determined by PP42 Test Temperature	0	AASHTO PP42

Performance Grade PG 52-16 Bitumen Specifications



Performance Grade Bitumen PG 52-16			
Property	PG 52 - 16	Test Method	
Average 7-day maximum pavement Design Temperature, °C	52		
minimum pavement Design Temperature, °C	> -16		
Original Binder			
Flash Point Temperature Minimum °C	230	AASHTO T48	
Viscosity maximum 3 Pa.s, Test Temperature, °C	135	AASHTO T316	
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, °C	52	AASHTO T315	
Rolling Thin Film Oven Test		AASHTO T240	
Mass change maximum percent	1		
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, @ 10 rad/s °C	52	AASHTO T315	
Pressure Aging Vessel	AASHTO R28		
PAV aging Temperature, °C	90		
Dynamic Shear G*/sin maximum 5000 KPa Test Temperature, @ 10 rad/s °C	22	AASHTO T315	
Creep Stuffiness S maximum 300 Mpa m-value minimum 0.300 Test Temperature, @ 60s °C	-6	AASHTO T313	
Direct Tension Failure strain minimum 1 % Test Temperature @ 1mm/min, °C	-6	AASHTO T314	
Critical low cracking Temperature Critical cracking determined by PP42 Test Temperature	-6	AASHTO PP42	

Performance Grade PG 52-22 Bitumen Specifications



Performance Grade Bitumen PG 52-22			
Property	PG 52 – 22	Test Method	
Average 7-day maximum pavement Design Temperature, °C	52		
minimum pavement Design Temperature, °C	> -22		
Original Binder			
Flash Point Temperature Minimum °C	230	AASHTO T48	
Viscosity maximum 3 Pa.s, Test Temperature, °C	135	AASHTO T316	
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, °C	52	AASHTO T315	
Rolling Thin Film Oven Test		AASHTO T240	
Mass change maximum percent	1.00		
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, @ 10 rad/s °C	52	AASHTO T315	
Pressure Aging Vessel		AASHTO R28	
PAV aging Temperature, °C	90		
Dynamic Shear G*/sin maximum 5000 KPa Test Temperature, @ 10 rad/s °C	19	AASHTO T315	
Creep Stuffiness S maximum 300 Mpa m-value minimum 0.300 Test Temperature, @ 60s °C	-12	AASHTO T313	
Direct Tension Failure strain minimum 1 % Test Temperature @ 1mm/min, °C	-12	AASHTO T314	
Critical low cracking Temperature Critical cracking determined by PP42 Test Temperature	-12	AASHTO PP42	

Performance Grade PG 58-10 Bitumen Specifications



Performance Grade Bitumen PG 58-10		
Property	PG 58 -10	Test Method
Average 7-day maximum pavement Design Temperature, °C	58	
minimum pavement Design Temperature, °C	> -10	
Original Binder		
Flash Point Temperature Minimum °C	230	AASHTO T48
Viscosity maximum 3 Pa.s, Test Temperature, °C	135	AASHTO T316
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, °C	58	AASHTO T315
Rolling Thin Film Oven Test		AASHTO T240
Mass change maximum percent	1.00	
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, @ 10 rad/s °C	58	AASHTO T315
Pressure Aging Vessel		AASHTO R28
PAV aging Temperature, °C	100	
Dynamic Shear G*/sin maximum 5000 KPa Test Temperature, @ 10 rad/s °C	28	AASHTO T315
Creep Stuffiness S maximum 300 Mpa m-value minimum 0.300 Test Temperature, @ 60s °C	0	AASHTO T313
Direct Tension Failure strain minimum 1 % Test Temperature @ 1mm/min, °C	0	AASHTO T314
Critical low cracking Temperature Critical cracking determined by PP42 Test Temperature	0	AASHTO PP42

Performance Grade PG 58-16 Bitumen Specifications



Performance Grade Bitumen PG 58-16			
Property	PG58 – 16	Test Method	
Average 7-day maximum pavement Design Temperature, °C	58		
minimum pavement Design Temperature, °C	> -16		
Original Binder			
Flash Point Temperature Minimum °C	230	AASHTO T48	
Viscosity maximum 3 Pa.s, Test Temperature, °C	135	AASHTO T316	
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, °C	58	AASHTO T315	
Rolling Thin Film Oven Test		AASHTO T240	
Mass change maximum percent	1.00		
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, @ 10 rad/s °C	58	AASHTO T315	
Pressure Aging Vessel		AASHTO R28	
PAV aging Temperature, °C	100		
Dynamic Shear G*/sin maximum 5000 KPa Test Temperature, @ 10 rad/s °C	25	AASHTO T315	
Creep Stuffiness S maximum 300 Mpa m-value minimum 0.300 Test Temperature, @ 60s °C	-6	AASHTO T313	
Direct Tension Failure strain minimum 1 % Test Temperature @ 1mm/min, °C	-6	AASHTO T314	
Critical low cracking Temperature Critical cracking determined by PP42 Test Temperature	-6	AASHTO PP42	

Performance Grade PG 58-22 Bitumen Specifications



Performance Grade Bitur		
Property	PG 58 -22	Test Method
Average 7-day maximum pavement Design Temperature, °C	58	
minimum pavement Design Temperature, °C	> -22	
Original Binder		
Flash Point Temperature Minimum °C	230	AASHTO T48
Viscosity maximum 3 Pa.s, Test Temperature, °C	135	AASHTO T316
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, °C	58	AASHTO T315
Rolling Thin Film Oven Test	AASHTO T240	
Mass change maximum percent	Mass change maximum percent 1.00	
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, @ 10 rad/s °C	58	AASHTO T315
Pressure Aging Vessel		AASHTO R28
PAV aging Temperature, °C	100	
Dynamic Shear G*/sin maximum 5000 KPa Test Temperature, @ 10 rad/s °C	22	AASHTO T315
Creep Stuffiness S maximum 300 Mpa m-value minimum 0.300 Test Temperature, @ 60s °C	-12	AASHTO T313
Direct Tension Failure strain minimum 1 % Test Temperature @ 1mm/min, °C	-12	AASHTO T314
Critical low cracking Temperature Critical cracking determined by PP42 Test Temperature	-12	AASHTO PP42

Performance Grade PG 64-10 Bitumen Specifications



Performance Grade Bitumen PG 64-10		
Property	PG 64-10	Test Method
Average 7-day maximum pavement Design Temperature, °C	64	
minimum pavement Design Temperature, °C	> -10	
Original Binder		
Flash Point Temperature Minimum °C	230	AASHTO T48
Viscosity maximum 3 Pa.s, Test Temperature, °C	135	AASHTO T316
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, °C	64	AASHTO T315
Rolling Thin Film Oven Test	AASHTO T240	
Mass change maximum percent	1.00	
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, @ 10 rad/s °C	64	AASHTO T315
Pressure Aging Vessel		AASHTO R28
PAV aging Temperature, °C	100	
Dynamic Shear G*/sin maximum 5000 KPa Test Temperature, @ 10 rad/s °C	31	AASHTO T315
Creep Stuffiness S maximum 300 Mpa m-value minimum 0.300 Test Temperature, @ 60s °C	0	AASHTO T313
Direct Tension Failure strain minimum 1 % Test Temperature @ 1mm/min, °C	0	AASHTO T314
Critical low cracking Temperature Critical cracking determined by PP42 Test Temperature	0	AASHTO PP42

Performance Grade PG 64-16 Bitumen Specifications



Performance Grade Bitumen PG 64-16		
Property	PG 64-16	Test Method
Average 7-day maximum pavement Design Temperature, °C	64	
minimum pavement Design Temperature, °C	> -16	
Original Binder		
Flash Point Temperature Minimum °C	230	AASHTO T48
Viscosity maximum 3 Pa.s, Test Temperature, °C	135	AASHTO T316
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, °C	64	AASHTO T315
Rolling Thin Film Oven Test		AASHTO T240
Mass change maximum percent	1.00	
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, @ 10 rad/s °C	64	AASHTO T315
Pressure Aging Vessel		AASHTO R28
PAV aging Temperature, °C	100	
Dynamic Shear G*/sin maximum 5000 KPa Test Temperature, @ 10 rad/s °C	28	AASHTO T315
Creep Stuffiness S maximum 300 Mpa m-value minimum 0.300 Test Temperature,@ 60s °C	-6	AASHTO T313
Direct Tension Failure strain minimum 1 % -6 Test Temperature @ 1mm/min, °C		AASHTO T314
Critical low cracking Temperature Critical cracking determined by PP42 Test Temperature	-6	AASHTO PP42

Performance Grade PG 64-22 Bitumen Specifications



Performance Grade Bitumen PG 64-22		
Property	PG 64 -22	Test Method
Average 7-day maximum pavement Design Temperature, °C	64	
minimum pavement Design Temperature, °C	> -22	
Original Binder		
Flash Point Temperature Minimum °C	230	AASHTO T48
Viscosity maximum 3 Pa.s, Test Temperature, °C	135	AASHTO T316
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, °C	64	AASHTO T315
Rolling Thin Film Oven Test		AASHTO T240
Mass change maximum percent	1.00	
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, @ 10 rad/s °C	64	AASHTO T315
Pressure Aging Vessel		AASHTO R28
PAV aging Temperature, °C	100	
Dynamic Shear G*/sin maximum 5000 KPa Test Temperature, @ 10 rad/s °C	25	AASHTO T315
Creep Stuffiness S maximum 300 Mpa m-value minimum 0.300 Test Temperature, @ 60s °C	-12	AASHTO T313
Direct Tension Failure strain minimum 1 % Test Temperature @ 1mm/min, °C	-12	AASHTO T314
Critical low cracking Temperature Critical cracking determined by PP42 Test Temperature	-12	AASHTO PP42

Performance Grade PG 70-10 Bitumen Specifications



Performance Grade Bitumen PG 70-10		
Property	PG 70 - 10	Test Method
Average 7-day maximum pavement Design Temperature, °C	<70	
minimum pavement Design Temperature, °C	> -10	
Original Binder		
Flash Point Temperature Minimum °C	230	AASHTO T48
Viscosity maximum 3 Pa.s, Test Temperature, °C	135	AASHTO T316
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, °C	70	AASHTO T315
Rolling Thin Film Oven Test		AASHTO T240
Mass change maximum percent	1.00	
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, @ 10 rad/s °C	70	AASHTO T315
Pressure Aging Vessel		AASHTO R28
PAV aging Temperature, °C	100(110)	
Dynamic Shear G*/sin maximum 5000 KPa Test Temperature, @ 10 rad/s °C	34	AASHTO T315
Creep Stuffiness S maximum 300 Mpa m-value minimum 0.300 Test Temperature, @ 60s °C	0	AASHTO T313
Direct Tension Failure strain minimum 1 % Test Temperature @ 1mm/min, °C	0	AASHTO T314
Critical low cracking Temperature Critical cracking determined by PP42 Test Temperature	0	AASHTO PP42

Performance Grade PG 70-16 Bitumen Specifications



Performance Grade Bitun	5		
Property	PG 70 - 16	Test Method	
Average 7-day maximum pavement Design Temperature, °C	<70		
minimum pavement Design Temperature, °C	> -16		
Original Binder			
Flash Point Temperature Minimum °C	230	AASHTO T48	
Viscosity maximum 3 Pa.s, Test Temperature, °C	135	AASHTO T316	
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, °C	70	AASHTO T315	
Rolling Thin Film Oven Test	Rolling Thin Film Oven Test		
Mass change maximum percent	1.00		
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, @ 10 rad/s °C	70	AASHTO T315	
Pressure Aging Vessel		AASHTO R28	
PAV aging Temperature, °C	100(110)		
Dynamic Shear G*/sin maximum 5000 KPa Test Temperature, @ 10 rad/s °C	31	AASHTO T315	
Creep Stuffiness S maximum 300 Mpa m-value minimum 0.300 Test Temperature, @ 60s °C	-6	AASHTO T313	
Direct Tension Failure strain minimum 1 % Test Temperature @ 1mm/min, °C	-6	AASHTO T314	
Critical low cracking Temperature Critical cracking determined by PP42 Test Temperature	-6	AASHTO PP42	

Performance Grade PG 76-10 Bitumen Specifications



Performance Grade Bitumen PG 76-10			
Property	PG 76-10	Test Method	
Average 7-day maximum pavement Design Temperature, °C	<76		
minimum pavement Design Temperature, °C	> -10		
Original Binder			
Flash Point Temperature Minimum °C	230	AASHTO T48	
Viscosity maximum 3 Pa.s, Test Temperature, °C	135	AASHTO T316	
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, °C	76	AASHTO T315	
Rolling Thin Film Oven Test		AASHTO T240	
Mass change maximum percent	1.00		
Dynamic Shear G*/sin minimum 2.2 KPa Test Temperature, @ 10 rad/s °C	76	AASHTO T315	
Pressure Aging Vessel		AASHTO R28	
PAV aging Temperature, °C	100(110)		
Dynamic Shear G*/sin maximum 5000 KPa Test Temperature, @ 10 rad/s °C	37	AASHTO T315	
Creep Stuffiness S maximum 300 Mpa m-value minimum 0.300 Test Temperature, @ 60s °C	0	AASHTO T313	
Direct Tension Failure strain minimum 1 % Test Temperature @ 1mm/min, °C	0	AASHTO T314	
Critical low cracking Temperature Critical cracking determined by PP42 Test Temperature	0	AASHTO PP42	



Viscosity Grades Bitumen

VG-10, VG-20, VG-30 and VG-40

Viscosity Grade Bitumen is mostly used as a Paving Grade and it's suitable for Road Construction and for the Asphalt pavements producing with premier attributes. Viscosity Grade Bitumen is usually used in the production of Hot Mix Asphalt.

Viscosity Grade Bitumen has a thermoplastic feature which causes the material to Soften at High temperatures and to Harden at Lower temperatures. This temperature viscosity relevance is significant when specifying the performance parameters such as the adhesion, rheology, durability and application temperatures of bitumen. In the Viscosity Grade Bitumen Specifications, the most important emphasizes is based on the Bitumen ductility.



Viscosity Grade VG-10 Bitumen Specifications

Viscosity Grade Bitumen VG-10			
Specifications	Acceptable Range	Test Method	Explanations
Absolute Viscosity	Min 800	ASTM – D4402	at 60°C, Poises
Kinematic Viscosity	Min 250	ASTM – D4402	at 135°C, c.st
Solubility	99.0 Min	ASTM – D2042	in CCL4, %
Flash Point	220 Min	ASTM – D92	°C
Penetration	80-100	ASTM – D5	at 25°C, mm/10
Softening Point	Min 40	ASTM – D36	°C
Test on Reside Form Thin Film Oven Test (T.F.O.T)			
Ratio Viscosity	Max 4.0	ASTM – D4402	at 60°C, %
Ductility	Min 75	ASTM – D113	at 25°C, cm



Viscosity Grade VG-20 Bitumen Specifications

Viscosity Grade Bitumen VG-20			
Specifications	Acceptable Range	Test Method	Explanations
Absolute Viscosity	Min 1600	ASTM – D4402	at 60°C, Poises
Kinematic Viscosity	Min 300	ASTM – D4402	at 135°C, c.st
Solubility	99.0 Min	ASTM – D2042	in CCL4, %
Flash Point	220 Min	ASTM – D92	°C
Penetration	60-80	ASTM – D5	at 25°C, mm/10
Softening Point	Min 45	ASTM – D36	°C
Test on Reside Form Thin Film Oven Test (T.F.O.T)			
Ratio Viscosity	Max 4.0	ASTM – D4402	at 60°C, %
Ductility	Min 50	ASTM – D113	at 25°C, cm



Viscosity Grade VG-30 Bitumen Specifications

Viscosity Grade Bitumen VG-30			
Specifications	Acceptable Range	Test Method	Explanations
Absolute Viscosity	Min 2400	ASTM – D4402	at 60°C, Poises
Kinematic Viscosity	Min 350	ASTM – D4402	at 135°C, c.st
Solubility	99.0 Min	ASTM – D2042	in CCL4, %
Flash Point	220 Min	ASTM – D92	°C
Penetration	50-70	ASTM – D5	at 25°C, mm/10
Softening Point	Min 47	ASTM – D36	°C
Test on Reside Form Thin Film Oven Test (T.F.O.T)			
Ratio Viscosity	Max 4.0	ASTM – D4402	at 60°C, %
Ductility	Min 40	ASTM – D113	at 25°C, cm



Viscosity Grade VG-40 Bitumen Specifications

Viscosity Grade Bitumen VG-40				
Specifications	Acceptable Range	Test Method	Explanations	
Absolute Viscosity	Min 3200	ASTM – D4402	at 60°C, Poises	
Kinematic Viscosity	Min 400	ASTM – D4402	at 135°C, c.st	
Solubility	99.0 Min	ASTM – D2042	in CCL4, %	
Flash Point	220 Min	ASTM – D92	°C	
Penetration	40-60	ASTM – D5	at 25°C, mm/10	
Softening Point	Min 50	ASTM – D36	°C	
Test on Reside Form Thin Film Oven Test (T.F.O.T)				
Ratio Viscosity	Max 4.0	ASTM – D4402	at 60°C, %	
Ductility	Min 25	ASTM – D113	at 25°C, cm	



Viscosity Grade AC-2.5 Bitumen Specifications

Viscosity Grade AC-2.5 Bitumen Specifications						
Properties	Units	Specifications	Test Method			
Viscosity, 140°F (60°C)	Р	250± 50	ASTM D-2171			
Viscosity, 275°F (135°C), Min	cSt	80	ASTM D-2171			
Penetration, 77°F (25°C), 100g, 5sec, Min	0.1 MM	200	ASTM D-5			
Flash point, Cleveland open cup, Min	ash point, Cleveland open cup, Min °C 163 ASTM D-92					
Solubility in trichloroethylene, Min	%Wt.	99	ASTM D-2042			
Tests on residue from thin-film oven test:						
– Viscosity, 140°F (60°C), Max	Р	1250	ASTM D-2171			
– Ductility, 77°F (25°C), 5cm/min, Min CM (1)100 ASTM – D113						



Viscosity Grade AC-5 Bitumen Specifications

Viscosity Grade AC-5 Bitumen Specifications						
Properties Units Specifications Test Method						
Viscosity, 140°F (60°C)	Р	500± 100	ASTM D-2171			
Viscosity, 275°F (135°C), Min	cSt	110	ASTM D-2171			
Penetration, 77°F (25°C), 100g, 5sec, Min	0.1 MM	120	ASTM D-5			
Flash point, Cleveland open cup, Min	°C	177	ASTM D-92			
Solubility in trichloroethylene, Min	%Wt.	99	ASTM D-2042			
Tests on residue from thin-film oven test:						
– Viscosity, 140°F (60°C), Max	Р	2500	ASTM D-2171			
– Ductility, 77°F (25°C), 5cm/min, Min CM 100 ASTM – D113						



Viscosity Grade AC-10 Bitumen Specifications

Viscosity Grade AC-10 Bitumen Specifications						
Properties Units Specifications Test Method						
Viscosity, 140°F (60°C)	Р	1000± 200	ASTM D-2171			
Viscosity, 275°F (135°C), Min	cSt	150	ASTM D-2171			
Penetration, 77°F (25°C), 100g, 5sec, Min	on, 77°F (25°C), 100g, 5sec,					
Flash point, Cleveland open cup, Min °C 219 ASTM D-92						
Solubility in trichloroethylene, Min %Wt. 99 ASTM D-2042						
Tests on residue from thin-film oven test:						
– Viscosity, 140°F (60°C), Max	- Viscosity, 140°F (60°C), Max P 5000 ASTM D-2171					
– Ductility, 77°F (25°C), 5cm/min, Min CM 50 ASTM – D113						



Viscosity Grade AC-20 Bitumen Specifications

Viscosity Grade AC-20 Bitumen Specifications				
Properties	Units	Specifications	Test Method	
Viscosity, 140°F (60°C)	Р	2000± 400	ASTM D-2171	
Viscosity, 275°F (135°C), Min	cSt	210	ASTM D-2171	
Penetration, 77°F (25°C), 100g, 5sec, Min	0.1 MM	40	ASTM D-5	
Flash point, Cleveland open cup, Min	°C	232	ASTM D-92	
Solubility in trichloroethylene, Min	%Wt.	99	ASTM D-2042	
Tests on residue from thin-film oven test:				
– Viscosity, 140°F (60°C), Max	Р	10000	ASTM D-2171	
– Ductility, 77°F (25°C), 5cm/min, Min	CM	20	ASTM – D113	



Viscosity Grade AC-30 Bitumen Specifications

Viscosity Grade AC-30 Bitumen Specifications					
Properties Units Specifications Test Method					
Viscosity, 140°F (60°C)	Р	3000± 600	ASTM D-2171		
Viscosity, 275°F (135°C), Min cSt 250 ASTM D-217:					
Penetration, 77°F (25°C), 100g, 5sec, Min	0.1 MM	30	ASTM D-5		
Flash point, Cleveland open cup, Min °C 232 ASTM D-92					
Solubility in trichloroethylene, Min	%Wt.	99	ASTM D-2042		
Tests on residue from thin-film oven test:					
– Viscosity, 140°F (60°C), Max P 15000 ASTM D-2171					
– Ductility, 77°F (25°C), 5cm/min, Min CM 15 ASTM – D113					



Viscosity Grade AC-40 Bitumen Specifications

Viscosity Grade AC-40 Bitumen Specifications						
Properties	Properties Units Specifications Test Method					
Viscosity, 140°F (60°C)	Р	4000± 800	ASTM D-2171			
Viscosity, 275°F (135°C), Min	cSt	300	ASTM D-2171			
Penetration, 77°F (25°C), 100g, 5sec, Min	0.1 MM	20	ASTM D-5			
Flash point, Cleveland open cup, Min	°C	232	ASTM D-92			
Solubility in trichloroethylene, Min	%Wt.	99	ASTM D-2042			
Tests on residue from thin-film oven test:						
– Viscosity, 140°F (60°C), Max	Р	20000	ASTM D-2171			
– Ductility, 77°F (25°C), 5cm/min, Min	СМ	10	ASTM – D113			



Viscosity Grade AR-1000 Bitumen Specifications

Viscosity Grade AR-1000 Bitumen Specifications				
Property Units Specification				
Viscosity, 140°F (60°C)	р	1000± 200		
Viscosity, 275°F (135°C), Min	cSt	140		
Penetration, 77°F (25°C), 100g, 5sec	0.1 MM	65		
Penetration, 77°F (25°C), 100g, 5sec, Min	0.1 MM	_		
Ductility at 25°C, cm, min CM 100				
Tests on original asphalt				
Flash point, °C, min °C 205				
Solubility in Trichloroethylene, %, min	%Wt	99		



Viscosity Grade AR-2000 Bitumen Specifications

Viscosity Grade AR-2000 Bitumen Specifications					
Property	Property Units Specification				
Viscosity, 140°F (60°C)	р	2000± 500			
Viscosity, 275°F (135°C), Min	cSt	200			
Penetration, 77°F (25°C), 100g, 5sec	0.1 MM	40			
Penetration, 77°F (25°C), 100g, 5sec, Min	0.1 MM	40			
Ductility at 25°C, cm, min	CM	100			
Tests on original asphalt					
Flash point, °C, min	°C	219			
Solubility in Trichloroethylene, %, min	%Wt	99			



Viscosity Grade AR-4000 Bitumen Specifications

Viscosity Grade AR-4000 Bitumen Specifications			
Property	Units	Specification	
Viscosity, 140°F (60°C)	р	4000± 1000	
Viscosity, 275°F (135°C), Min	cSt	275	
Penetration, 77°F (25°C), 100g, 5sec	0.1 MM	25	
Penetration, 77°F (25°C), 100g, 5sec, Min	0.1 MM	45	
Ductility at 25°C, cm, min	CM	75	
Tests on original asphalt			
Flash point, °C, min	°C	227	
Solubility in Trichloroethylene, %, min	%Wt	99	



Viscosity Grade AR-8000 Bitumen Specifications

Viscosity Grade AR-8000 Bitumen Specifications				
Property Units Specification				
Viscosity, 140°F (60°C)	р	8000± 2000		
Viscosity, 275°F (135°C), Min	cSt	400		
Penetration, 77°F (25°C), 100g, 5sec	0.1 MM	20		
Penetration, 77°F (25°C), 100g, 5sec, Min	0.1 MM	50		
Ductility at 25°C, cm, min	CM	75		
Tests on original asphalt				
Flash point, °C, min	°C	232		
Solubility in Trichloroethylene, %, min	%Wt	99		



Viscosity Grade AR-16000 Bitumen Specifications

Viscosity Grade AR-16000 Bitumen Specifications				
Property Units Specification				
Viscosity, 140°F (60°C)	р	16000± 4000		
Viscosity, 275°F (135°C), Min	cSt	550		
Penetration, 77°F (25°C), 100g, 5sec	0.1 MM	20		
Penetration, 77°F (25°C), 100g, 5sec, Min	0.1 MM	52		
Ductility at 25°C, cm, min	CM	75		
Tests on original asphalt				
Flash point, °C, min	°C	238		
Solubility in Trichloroethylene, %, min %Wt 99				





Class 170 - Class 320 and Class 600

All Australian Standard Bitumen Grades of Class 170, Class 320 and Class 600, are available from Tiger Bitumen Company. Classes of Bitumen under the Australian Standard are determined by Viscosity measured at 60°C Pa.s. Other blends using a combination of standard grade bitumen are also available on request. Australian Bitumen Grades are available in 185Kg New Steel Drums and Shipping in 20'ft Containers to Worldwide Destinations.



Australian Standard Class-170 Bitumen Specifications

Australian Standard Bitumen Class-170		
Property	Value	
Viscosity at 60°C, pa.s	170	
Viscosity at 135°C Pa.s	0.40	
Viscosity at 60°C after RTFO, Pa.s	300	
Penetration at 25oC, dmm	70	
Flashpoint, °C	360	
Viscosity of Residue at 60°C % of original	180	
Density at 15°C, kg/m3	1.04	



Australian Standard Class-320 Bitumen Specifications

Australian Standard Bitumen Class-320		
Property	Value	
Viscosity at 60°C , pa.s	320	
Viscosity at 135°C Pa.s	0.53	
Viscosity at 60°C after RTFO, Pa.s	640	
Penetration at 25°C , dmm	46	
Flashpoint, °C	360	
Viscosity of Residue at 60°C % of original	200	
Density at 15°C , kg/m3	1.04	



Australian Standard Class-600 Bitumen Specifications

Australian Standard Bitumen Class-600			
Property	Value		
Viscosity at 60°C , pa.s	600		
Viscosity at 135°C Pa.s	0.80		
Viscosity at 60°C after RTFO, Pa.s	1300		
Penetration at 25°C, dmm	27		
Flashpoint, °C	360		
Viscosity of Residue at 60°C % of original	215		
Density at 15°C, kg/m3	1.04		



Oxidized Bitumen

Exporter and Supplier of Oxidized Grade Bitumen

Oxidized Bitumen is produced by blowing hot air into the Penetration Bitumen. This action makes the Bitumen more rubbery than its original formula and it becomes Harder Bitumen. Oxidized Bitumen recovers the weight loss under heating. Due to low thermal sensitivity, the Softening Point is much Higher than Regular Bitumen and the Penetration index (PI) is Higher than Road Construction Bitumen (8>PI>2) due to the letter has a Gel-Like structure because of Asphalt accumulation. Oxidized Bitumen is mostly used in Industry, such as Roof Insulation, Flooring, Industrial Mastic, Pipe Coating, and Paints. Specifications of Oxidized bitumen are categorized based on Softening points and Penetration rate. Tiger Bitumen Company has the capability to Export and Supply the different Grades of Oxidized Bitumen in compliance with National and International standards.



Oxidized Bitumen 85/25 Specification					
Property Specifications Test Method					
Softening Point (C) 85±5 ASTM D36					
Penetration at 25°C	ASTM D5				
Thermal Loss %	0.2	ASTM D1754			
Solubility in trichloroethylene	99.5	ASTM D2042			

Oxidized Bitumen 95/25 Specification				
Property Specifications Test Method				
Softening Point (C)	ASTM D36			
Peneteration at 25°C	25±5	ASTM D5		
Thermal Loss % 0.2 ASTM D1754				
Solubility in trichloroethylene	99.5	ASTM D2042		

Oxidized Bitumen 115/15 Specification					
Property Specifications Test Method					
Softening Point (C) 115±5 ASTM D36					
Peneteration at 25°C 15±5 ASTM D5					
Thermal Loss % 0.2 ASTM D1754					
Solubility in trichloroethylene	99.5	ASTM D2042			

Cutback Bitumen



Slow Curing - Medium Curing - Rapid Curing

Cutback Bitumen is dissolved in a solvent. Typical solvents include Naptha, Gasoline and Kerosene, White Spirit etc. The type of solvent controls the Curing time while the amount determines the Viscosity of the Cutback Bitumen. This is done to reduce the Viscosity of the Bitumen temporarily so it can penetrate pavements more effectively or to allow spraying at temperatures that are too cold for successful sprayed sealing with neat bitumen. The materials used to cutback bitumen will evaporate after application to leave the remaining material similar in hardness to the original bitumen.

Cutback Bitumen Classifications

Cutback Bitumen is divided into three classifications, Slow-Curing (SC), Rapid-Curing (RC) and Medium-Curing (MC) depending on the solvent used. They are further defined by Grades which indicates the minimum kinematic viscosity (fluidity) of the cutback.







CUTBACK BITUMEN

SLOW CURRING

- > SC-30
- > SC-70
- > SC-250
- > SC-800
- > SC-3000

Slow Curing (SC) asphalt cement and oils of low volatility generally in the heavy distillate range (SC-30, SC-70, SC-250, SC-800 and SC-3000). The degree of liquidity developed in each case depends principally on the proportion of solvent to asphalt cement. To a minor degree, the liquidity of the Cutback may be affected by the hardness of the base asphalt from which the Cutback is made. The degree of fluidity results in several Grades of Cutback asphalt—some quite fluid at ordinary temperatures and others somewhat more viscous. The more viscous grades may require a small amount of heating to make them fluid enough for construction operations.

Slow Curing (SC) Cutback asphalts are often called road oils and are used primarily in road-mixing and dust-laying applications. This term originated in earlier days when asphalt residual oil was used to give roads a low-cost, all-weather surface. SC Cutback asphalts are also used for stockpile patching mixes, plant-mixed with graded aggregates and occasionally for priming.



Bitumen Cutback Slow Curing SC-30 Specifications

Slow Curing SC-30 Bitumen Cutback					
Property	Min	Max	Test Method		
Kinematic Viscosity At 60°C Mm^2/S	30	60	ASTM D2170		
Flash Point (Tag Open-Cup),°C	60	-	ASTM D3143		
Distillate Test: Distillate, Volume Percent Of Total Distillate At 360°C:					
Total Distillation Up To 360°C, Volume% 10 45 ASTM D402					
Solubility In Trichloroethylene,%	99	_	ASTM D2042		
Viscosity At 60°C	250	5000	ASTM D2171		
Test On Residue From Distillation:					
Penetration At 100%	50	_	ASTM D5		
Ductility At 25°C	100	_	ASTM D113		



Bitumen Cutback Slow Curing SC-70 Specifications

Slow Curing SC-70 Bitumen Cutback			
Property	Min	Max	Test Method
Kinematic Viscosity At 60°C Mm^2/S	70	140	ASTM D2170
Flash Point (Tag Open-Cup),°C	66	_	ASTM D3143
Distillate Test: Distillate, Volume Percent Of Total Distillate At 360°C:			
Total Distillation Up To 360°C, Volume%	10	30	ASTM D402
Solubility In Trichloroethylene,%	99	_	ASTM D2042
Viscosity At 60°C	400	7000	ASTM D2171
Test On Residue From Distillation:			
Penetration At 100%	50	_	ASTM D5
Ductility At 25°C	100	_	ASTM D113



Bitumen Cutback Slow Curing SC-250 Specifications

Slow Curing SC-250 Bitumen Cutback				
Property	Min	Max	Test Method	
Kinematic Viscosity At 60°C Mm^2/S	250	500	ASTM D2170	
Flash Point (Tag Open-Cup),°C	79	_	ASTM D3143	
Distillate Test: Distillate, Volume Percent Of Total Distillate At 360°C:				
Total Distillation Up To 360°C, Volume%	4	20	ASTM D402	
Solubility In Trichloroethylene,%	99	_	ASTM D2042	
Viscosity At 60°C	800	10000	ASTM D2171	
Test On Residue From Distillation:				
Penetration At 100%	60	_	ASTM D5	
Ductility At 25°C	100	_	ASTM D113	



Bitumen Cutback Slow Curing SC-800 Specifications

Slow Curing SC-800 Bitumen Cutback				
Property	Min	Max	Test Method	
Kinematic Viscosity At 60°C Mm^2/S	800	1600	ASTM D2170	
Flash Point (Tag Open-Cup),°C	93	1	ASTM D3143	
Distillate Test: Distillate, Volume Percent Of Total Distillate At 360°C:				
Total Distillation Up To 360°C, Volume%	2	12	ASTM D402	
Solubility In Trichloroethylene,%	99	1	ASTM D2042	
Viscosity At 60°C	2000	16000	ASTM D2171	
Test On Residue From Distillation:				
Penetration At 100%	70	1	ASTM D5	
Ductility At 25°C	100	-	ASTM D113	



Bitumen Cutback Slow Curing SC-3000 Specifications

Slow Curing SC-3000 Bitumen Cutback				
Property	Min	Max	Test Method	
Kinematic Viscosity At 60°C Mm^2/S	3000	6000	ASTM D2170	
Flash Point (Tag Open-Cup),°C	107	_	ASTM D3143	
Distillate Test: Distillate, Volume Percent Of Total Distillate At 360°C:				
Total Distillation Up To 360°C, Volume%	-	5	ASTM D402	
Solubility In Trichloroethylene,%	99	_	ASTM D2042	
Viscosity At 60°C	4000	35000	ASTM D2171	
Test On Residue From Distillation:				
Penetration At 100%	80	_	ASTM D5	
Ductility At 25°C	100	_	ASTM D113	

CUTBACK BITUMEN

MEDIUM CURRING

- ➤ MC-30
- > MC-70
- **▶** MC-250
- ➤ MC-800
- ➤ MC-3000

Medium Curing (MC) asphalt cement uses medium diluents of intermediate volatility generally in the kerosene boiling point range (MC-30, MC-70, MC-250, MC-800 and MC-3000).

The degree of liquidity developed in each case depends principally on the proportion of solvent to asphalt cement. To a minor degree, the liquidity of the cutback may be affected by the hardness of the base asphalt from which the cutback is made. The degree of fluidity results in several Grades of Cutback asphalt—some quite fluid at ordinary temperatures and others somewhat more viscous. The more viscous grades may require a small amount of heating to make them fluid enough for construction operations.

The Medium Setting Grades are designed for mixing with aggregates. Because these grades do not break immediately upon contact with aggregate, mixes using them can remain workable for extended periods of time and lend themselves to cold mix stockpiles.



Bitumen Cutback Medium Curing MC-30 Specifications

Medium Curing Mc-30 Bitumen Cutback				
Property	Min	Max	Test Method	
Kinematic Viscosity At 60°C Mm^2/S	30	60	ASTM D2170	
Flash Point (Tag Open-Cup),°C	38	_	ASTM D3143	
Distillate Test: Distillate, Volume Percen	t Of Tota	al Distilla	te At 360°C:	
To: 225°C	_	35	ASTM D402	
To : 260°C	30	75	ASTM D402	
To:316°C	75	93	ASTM D402	
Residue From Distillation To 360°C, Percent Volume By Difference	50	-	ASTM D402	
Test On Residue From Distillation:				
Penetration At 25°C	120	300	ASTM D5	
Ductility At 25°C	100	-	ASTM D113	
Solubility In Trichloroethylene, %	99	_	ASTM 2042	

Bitumen Cutback Medium Curing MC-70 Specifications



Rapid Curing Rc-70 Bitumen Cutback					
Property Min Max Test Method					
Kinematic Viscosity At 60°C Mm^2/S	70	140	ASTM D2170		
Flash Point (Tag Open-Cup),°C	_	_	ASTM D3143		
Distillate Test: Distillate, Volume Percen	t Of Tota	al Distillat	te At 360°C:		
To:190°C	10	_	ASTM D402		
To : 225°C	50	_	ASTM D402		
To: 260°C	70	_	ASTM D402		
To:316°C	85	_	ASTM D402		
Residue From Distillation To 360°C, Percent Volume By Difference	55	-	ASTM D402		
Test On Residue From	Distillati	on:			
Viscosity At 60°C	60	240	ASTM D5		
Penetration At 25°C	80	120	ASTM D5		
Ductility At 25°C	100	_	ASTM D113		
Solubility In Trichloroethylene, %	99	_	ASTM 2042		



Bitumen Cutback Medium Curing MC-250 Specifications

Medium Curing Mc-250 Bitumen Cutback					
Property Min Max Test Meth					
Kinematic Viscosity At 60°C Mm^2/S	250	500	ASTM D2170		
Flash Point (Tag Open-Cup),°C	66	_	ASTM D3143		
Distillate Test: Distillate, Volume Percen	t Of Tot	al Distilla	te At 360°C:		
To: 225°C	_	20	ASTM D402		
To: 260°C	5	55	ASTM D402		
To:316°C	60	90	ASTM D402		
Residue From Distillation To 360°C, Percent Volume By Difference	67	-	ASTM D402		
Test On Residue From Distillation:					
Penetration At 25°C	120	300	ASTM D5		
Ductility At 25°C	100	_	ASTM D113		
Solubility In Trichloroethylene, %	99	_	ASTM 2042		
Water, %	_	0.2	ASTM D95		



Bitumen Cutback Medium Curing MC-800 Specifications

Medium Curing Mc-800 Bitumen Cutback					
Property Min Max Test Method					
Kinematic Viscosity At 60°C Mm^2/S	800	1600	ASTM D2170		
Flash Point (Tag Open-Cup),°C	66	_	ASTM D3143		
Distillate Test: Distillate, Volume Percent	Of Tota	l Distilla	te At 360°C:		
To: 225°C	_	_	ASTM D402		
To: 260°C	_	40	ASTM D402		
To:316°C	45	85	ASTM D402		
Residue From Distillation To 360°C, Percent Volume By Difference	75	-	ASTM D402		
Test On Residue From D	istillatio	n:			
Penetration At 25°C	120	250	ASTM D5		
Ductility At 25°C	100	_	ASTM D113		
Solubility In Trichloroethylene, %	99	_	ASTM 2042		
Water, %	_	0.2	ASTM D95		



Bitumen Cutback Medium Curing MC-3000 Specifications

Medium Curing Mc-3000 Bitumen Cutback			
Property	Max	Test Method	
Kinematic Viscosity At 60°C Mm^2/S	3000	6000	ASTM D2170
Flash Point (Tag Open-Cup),°C	66	_	ASTM D3143
Distillate Test: Distillate, Volume Percent (Of Total	Distillat	e At 360°C:
To: 225°C	_	_	ASTM D402
To: 260°C	_	15	ASTM D402
To:316°C	15	75	ASTM D402
Residue From Distillation To 360°C, Percent Volume By Difference	80	_	ASTM D402
Test On Residue From Di	stillation	n:	
Penetration At 25°C	120	250	ASTM D5
Ductility At 25°C	100	_	ASTM D113
Solubility In Trichloroethylene, %	99	_	ASTM 2042
Water, %		0.2	ASTM D95

CUTBACK BITUMEN

RAPID CURRING

- > RC-30
- > RC-70
- > RC-250
- > RC-800
- > RC-3000

Rapid Curing (RC) asphalt cement is a combination of light diluents of high volatility, generally in the gasoline or naphtha boiling point range (RC-30, RC-70, RC-250, RC-800 and RC-3000), and asphalt cement.

The degree of liquidity developed in each case depends principally on the proportion of solvent to asphalt cement. To a minor degree, the liquidity of the cutback may be affected by the hardness of the base asphalt from which the cutback is made. The degree of fluidity results in several Grades of Cutback asphalt—some quite fluid at ordinary temperatures and others somewhat more viscous. The more viscous grades may require a small amount of heating to make them fluid enough for construction operations.

The Rapid-Setting Grades are designed to react quickly primarily for spray applications, such as bond/tack coats, aggregate chips seals, sand seals and similar surface treatments.



Bitumen Cutback Rapid Curing RC-30 Specifications

Rapid Curing Rc-30 Bitumen Cutback				
Property	Min	Max	Test Method	
Kinematic 1 Viscosity At 60°C, Est	30	60	ASTM D2170	
Flash Point (Tag Open-Cup),°C	_	_	ASTM D1310	
Distillate Test 2:				
Distillate, Percent	By Volun	ne Of Tot	al 360°C	
To 190°C	15	_	ASTM D402	
To 225°C	55	_	ASTM D402	
To 260°C	75	_	ASTM D402	
To 316°C	90	1	ASTM D402	
Residue From	Distillati	on To 360	D°C:	
Test On Residue From Distillation Penetration At 25°C,100g, 5 Sec.	80	120		
Ductility 3 At 25°C, Cm	100	_	ASTM D402 / ASTM D113	
Solubility In Trichloroethylene, Percent Mass	100	_	ASTM D402 / ASTM D2024	
Water, Percent Volume	_	0.2	ASTM D95	

Bitumen Cutback Rapid Curing RC-70 Specifications

	CUTBACK BITUMEN
RA	APID CURING RC-70
	185 KG

Rapid Curing Rc-70 Bitumen Cutback				
Property	Min	Max	Test Method	
Kinematic 1 Viscosity At 60°C, Est	70	140	ASTM D2170	
Flash Point (Tag Open-Cup),°C	_	-	ASTM D1310	
Distillate Test 2:				
Distillate, Percent	t By Volur	ne Of Tot	tal 360°C	
To 190°C	10	ı	ASTM D402	
To 225°C	50	_	ASTM D402	
To 260°C	_	-	ASTM D402	
To 316°C	85	-	ASTM D402	
Residue Fron	n Distillat	ion To 36	0°C:	
Test On Residue From Distillation Penetration At 25°C,100g, 5 Sec.	55	-		
Ductility 3 At 25°C, Cm	80	120	ASTM D402 / ASTM D113	
Solubility In Trichloroethylene, Percent Mass	100	-	ASTM D402 / ASTM D2024	
Water, Percent Volume	_	0.2	ASTM D95	

Bitumen Cutback Rapid Curing RC-250 Specifications



Rapid Curing Rc-250 Bitumen Cutback				
Property	Min	Max	Test Method	
Kinematic Viscosity At 60°C Mm^2/S	250	500	ASTM D2170	
Flash Point (Tag Open-Cup),°C	27	-	ASTM D3143	
Distillate Test: Distillate, Volu	me Perce	nt Of Tot	al Distillate At 360°C:	
To : 190°C	_	_	ASTM D402	
To: 225°C	35	_	ASTM D402	
To: 260°C	60	_	ASTM D402	
To:316°C	80	_	ASTM D402	
Residue From Distillation To 360°C, Percent Volume By Difference	65	-	ASTM D402	
Test On Resi	idue Fron	n Distillat	ion:	
Viscosity At 60°C	60	240	ASTM D5	
Penetration At 25°C	80	120	ASTM D5	
Ductility At 25°C	100	_	ASTM D113	
Solubility In Trichloroethylene, %	99	_	ASTM 2042	

Bitumen Cutback Rapid Curing RC-800 Specifications

CUTBACK
RAPID CURING RC-800
185 KG

Rapid Curing Rc-800 Bitumen Cutback				
Property	Min	Max	Test Method	
Kinematic Viscosity At 60°C Mm^2/S	800	1600	ASTM D2170	
Flash Point (Tag Open-Cup),°C	27	-	ASTM D3143	
Distillate Test: Distillate, Volu	me Perce	nt Of Tot	al Distillate At 360°C:	
To:190°C	ı	_	ASTM D402	
To: 225°C	15	_	ASTM D402	
To : 260°C	45	_	ASTM D402	
To:316°C	75	_	ASTM D402	
Residue From Distillation To 360°C, Percent Volume By Difference	75	_	ASTM D402	
Test On Resi	due Fron	n Distillat	ion:	
Viscosity At 60°C	60	240	ASTM D5	
Penetration At 25°C	80	120	ASTM D5	
Ductility At 25°C	100	-	ASTM D113	
Solubility In Trichloroethylene, %	99	_	ASTM 2042	

Bitumen Cutback Rapid Curing RC-3000 Specifications



Rapid Curing Rc-3000 Bitumen Cutback				
Property	Min	Max	Test Method	
Kinematic Viscosity At 60°C Mm^2/S	3000	6000	ASTM D2170	
Flash Point (Tag Open-Cup),°C	27	ı	ASTM D3143	
Distillate Test: Distillate, Volu	me Perce	nt Of Tota	al Distillate At 360°C:	
To : 190°C	_	I	ASTM D402	
To: 225°C	_	_	ASTM D402	
To : 260°C	25	_	ASTM D402	
To: 316°C	70	-	ASTM D402	
Residue From Distillation To 360°C, Percent Volume By Difference	80	-	ASTM D402	
Test On Resi	due From	Distillati	on:	
Viscosity At 60°C	60	240	ASTM D5	
Penetration At 25°C	80	120	ASTM D5	
Ductility At 25°C	100	ı	ASTM D113	
Solubility In Trichloroethylene, %	99	_	ASTM 2042	



Coat Bitumen

Primer - Mastic - Enamel

Bitumen coating compositions having substantially improved application and drying properties and producing coatings of improved properties including resistance to ultra violet rays and alligatoring resulting there from, said coating compositions comprising volatile solvent solutions of a bitumen coating material having softening point between 110-f to 250-f. The bitumen coatings are also characteristically non-viscous materials which are not thixotropic and are therefore ordinarily applied as thin films. The bitumen coating compositions may also contain filler materials which tend to settle from the non-thixotropic compositions after storage for only a short time. It has been proposed in the past to add inert colloidal fillers such as silica to obtain thixotropic properties and thicker films on application of the compositions. However, even such inert fillers tend to affect only solution properties and generally exist in the finished coating as an expensive additive which does not benefit other properties of the coating.



Coat Bitumen Primer D-41 Specifications

Coat Bitumen Primer D-41				
Property	Specifications	Test Method		
Density. Kg/litre	0.85-0.88	ASTM D-70		
Saybolt Furol Viscosity at 250C Seconds	25-125	ASTM D-88		
Tack Free time, hour	_			
Distillation, Volume% of the Primer				
Up to 2250C	35 (Min)	ASTM D-402		
Up to 3600C	65 (Max)			
Tests on residue from distillation:	20-50	ASTM D-5		
Penetration at 250C	ASTM D			
Solubility in trichloroethylend	2042			
Water Content	ASTM D-95			

Coat Bitumen Mastic Specifications



Coat Bitumen Mastic					
Property		Value			
Application Temperature	50°F	to 120°F (10°C to 49°C)			
Solids by Weight		63%			
Thickness					
Wet Film Thickness (WFT)	30 n	nils (762 microns) min.			
Dry Film Thickness (DFT)	20 r	mils (508 microns) min			
Theoretical Coverage					
20 mils (DFT)	52 ft	52 ft 2/gallon (4.8 m²/liter)			
30 mils (DFT)	39 ft	39 ft 2/gallon (3.6 m²/liter)			
40 mils (DFT)	26 ft	26 ft 2/gallon (2.4 m²/liter)			
Mix Ratio		Single Package			
Flash Point		100°F (38°C)			
Drying Time	Touch Dry	Backfill Time			
20 mils	2 hours	24 hours			
30 mils	2 hours	24 hours			
40 mils	2 hours	24 hours			
Resistance to Salts & Alkalies		Excellent			
Resistance to Water		Excellent			
Resistance to Oils, Greases & Solvents		Poor			
Service Temperature	0°F t	0°F to 150°F (-18°C to 65°C)			

Coat Bitumen Enamel Grade A, Band C Specifications



Coat Bitumen Enamel Grade A, B and C				
Property	Grade A	Grade B	Grade C	Test Method
Filler Content, by Ignition	25 – 35	25 – 35	45 – 55	BS 4147: App. B
Density @ 25°C, g/cm3	1.2 – 1.4	1.2 – 1.4	1.4 – 1.65	BS 4147
Softening Point (ring & bell)	100 – 120	115 – 130	120 – 150	BS 2000 Part 58
Penetration @ 25°C, 10 – 1mm	10 – 20	5 – 17	5 – 15	BS 2000: Part 49
Flash Point (Cleveland Open Cup)	250	260	260	BS 4689
Sa g, Max, Min	Max. 1.5	Max. 1.5	Max. 1.5	BS 4147: App. E
@60°C, 24h	_	_	_	-
@75°C, 24h				
Bend @ 0°C,	Min 20	Min 15	Min 10	BS 4147: App. F
Peel Initial & Delayed,	-	-	-	BS 4147:
Max; mm	_	_	_	-
@30°C	3.0	3.0	_	3.0
@40°C	3.0	3.0	3.0	3.0
@50°C	3.0	3.0	3.0	3.0
@60°C	3.0	3.0	3.0	3.0
Impact, Disbanded	_	_	_	BS 4147: App. G

Emulsion Bitumen



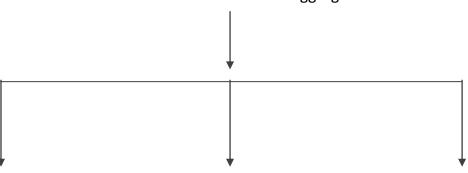
Cationic Bitumen Emulsion – Anionic Bitumen Emulsion

Emulsion Bitumen is a Binding material, consisting of Water and Bitumen. Emulsion is a disperse system, with particles of bitumen dispersed in water. The main task is to keep bitumen micro particles from coalescing, which maintains physicochemical properties of the emulsion and its quality. This stability is achieved with special emulsifiers. Bitumen Emulsions are transportable, easily stored materials. They are kept in the storage warehouses in cylindrical containers at plus temperatures for up to several months, without losing their properties.

All stabilizers/emulsifiers are supplied at exact doses, since they strongly affect characteristics of the finished product. Latex polymers are ideal modifiers and are added to bitumen emulsion to improve properties. Solvents increase the Viscosity and Emulsifying properties.

Emulsion Bitumen Classifications

Emulsions are broadly classified according to the Speed with which they break when contacted with aggregate.



Rapid Setting Emulsion (RS):

Break is rapid even with coarse aggregate of relatively low surface area. Rapid setting Emulsion is further sub divided into RS-1 and RS-2 types.

Medium Setting Emulsion (MS):

Break is sufficiently slow that the emulsion can be mixed with coarse aggregate containing a high proportion of fine material.

Slow Setting Emulsion (SS):

Break is sufficiently slow to allow mixing with aggregate containing fine material of relatively high surface area. Slow setting emulsion is further sub divided into SS-1 and SS-2 types.



Emulsion Bitumen Exporter and Supplier

Tiger Bitumen Company has the capability to Export and Supply the different Grades of Cationic Bitumen Emulsion and Anionic Bitumen Emulsion in compliance with National and International standards.





EMULSION BITUMEN

Cationic Emulsion

- SLOW SETTING
- MEDIUM SETTING
- > RAPID SETTING
- > TACK COAT

Chemical surface-active agents, which serve as Emulsifiers, are classified by the electrochemical charge that is attained when they dissociate in a water solution. In the case of CATIONIC EMULSIONS, the chemical charge is POSSITIVE. The chemical type and quantity of surface-active agent used in the manufacturing process governs the process in which the resulting asphalt emulsion can be used.

There are three major classifications of Emulsion Grades: Slow Setting, Medium Setting and Rapid Setting. The terms Rapid, Medium and Slow relate to the amount of time it takes for the Emulsion to cure and the amount of mixing that can be performed before the emulsion breaks. Emulsions that allow the longest mixing time generally take the longest to cure, and emulsions that allow very little mixing time are those that set and cure most rapidly.



Emulsion Cationic Bitumen Slow Setting Specifications

Emulsion Cationic Bitumen Slow Setting CSS-1 and CSS-1H					
PROPERTIES CSS-1 CSS-1H					
Tests on Emulsion	min-max	min-max			
Viscosity, SF, 25°C, SFs	20 – 100	20 – 100			
Viscosity, SF, 50°C, SFs					
Sieve Test, #20, %	0.1 max	0.1 max			
Settlement, 5 days, %	5 max	5 max			
Storage Stability, 24h, %					
Demulsibility, 35ml DOSS 0.8%, %					
Cement Mixing Test, %	2 max	2 max			
Coating Test, %	80 min	80 min			
Residue by Distillation, 260°C, %	57 min	57 min			
Oil Portion of Distillate (V/M), %	5 max	5 max			
Particle Charge	(+)	(+)			
Tests on Residue					
Penetration, 25°C, dmm	100 – 250	40 – 125			
Solubility in TCE, %	97.5 min	97.5 min			
Ductility, 25°C, cm 60 min 40 min					

Emulsion Cationic Bitumen Medium Setting Specifications



Emulsion Cationic Bitumen Medium Setting CMS-2			
PROPERTIES	CMS-2		
Tests on Emulsion	min-max		
Viscosity, SF, 25°C, SFs			
Viscosity, SF, 50°C, SFs	50-400		
Sieve Test, #20, %	0.1 max		
Settlement, 5 days, %	5 max		
Storage Stability, 24h, %			
Demulsibility, 35ml DOSS 0.8%, %			
Cement Mixing Test, %			
Coating Test, %	80 min		
Residue by Distillation, 260°C, %	65 min		
Oil Portion of Distillate (V/M), %	10 max		
Particle Charge	(+)		
Tests on Residue			
Penetration, 25°C, dmm	100 – 250		
Solubility in TCE, %	97.5 min		
Ductility, 25°C, cm	60 min		

Emulsion Cationic Bitumen Rapid Setting Specifications



Emulsion Cationic Bitumen Rapid Setting CRS-1, CRS-1H and CRS-2				
PROPERTIES	CRS-1	CRS-1H	CRS-2	
Tests on Emulsion	min-max	min-max	min-max	
Viscosity, SF, 25°C, SFs				
Viscosity, SF, 50°C, SFs	50 – 150	20 – 100	100 – 400	
Sieve Test, #20, %	0.1 max	0.1 max	0.1 max	
Settlement, 5 days, %	5 max		5 max	
Storage Stability, 24h, %		1 max		
Demulsibility, 35ml DOSS 0.8%, %	40 min	40 min	40 min	
Cement Mixing Test, %				
Coating Test, %				
Residue by Distillation, 260°C, %	62 min	60 min	65 min	
Oil Portion of Distillate (V/M), %	3 max	3 max	3 max	
Particle Charge	(+)	(+)	(+)	
Tests on Residue				
Penetration, 25°C, dmm	100 – 250	40 – 90	100 – 250	
Solubility in TCE, %	97.5 min	97.5 min	97.5 min	
Ductility, 25°C, cm	60 min	40 min	60 min	

Emulsion Cationic Bitumen Tack Coat Specifications



Emulsion Cationic Tack Coat Bitumen K1-30, K1-40, K1-60 and K1-70					
PROPERTIES	K1-30	K1-40	K1-60	K1-70	Test Method
Tests on Emulsion	min-max	min-max	min-max	min-max	
Viscosity, SF, 50°C, SFs	20 max	25 max	20 – 100	20 min	ASTM D7496
Sieve Test, #20, %	0.1 max	0.1 max	0.1 max	0.1 max	ASTM D6933
Storage Stability, 24h, %			1 max	1 max	ASTM D6930
Demulsibility, 35ml DOSS 0.8%, %			40 min		ASTM D6936
Residue by Distillation, 260°C, %	30 min	40 min	60 min	67 min	ASTM D6997
Solvent, by volume of emulsion,%			3 max		ASTM D6997
Oil Portion of Distillate (V/M), %				4 max	ASTM D6997
Particle Charge	(+)	(+)	(+)	(+)	ASTM D244
Tests on Residue					
Penetration, 25°C, dmm	60 – 200	60 – 200	100 – 250	60 – 250	ASTM D5
Solubility in TCE, %	97.5 min	97.5 min	97.5 min	97.5 min	ASTM D2042
Ductility, 25°C, cm			40 min	20 min	ASTM D113



EMULSION BITUMEN

Anionic Emulsion

- SLOW SETTING
- MEDIUM SETTING
- RAPID SETTING

Chemical surface-active agents, which serve as Emulsifiers, are classified by the electrochemical charge that is attained when they dissociate in a water solution. In the case of ANIONIC EMULSIONS, the chemical charge is NEGATIVE. The chemical type and quantity of surface-active agent used in the manufacturing process governs the process in which the resulting asphalt emulsion can be used.

There are three major classifications of Emulsion Grades: Slow Setting, Medium Setting and Rapid Setting. The terms Rapid, Medium and Slow relate to the amount of time it takes for the Emulsion to cure and the amount of mixing that can be performed before the emulsion breaks. Emulsions that allow the longest mixing time generally take the longest to cure, and emulsions that allow very little mixing time are those that set and cure most rapidly.

Emulsion Anionic Bitumen Slow Setting Specifications



Emulsion Anionic Bitumen Slow Setting SS-1 and SS-1H				
PROPERTIES	SS-1	SS-1H		
Tests on Emulsion	min-max	min-max		
Viscosity, SF, 25°C, SFs	20 – 60	20 – 60		
Viscosity, SF, 50°C, SFs				
Sieve Test, #20, %	0.1 max	0.1 max		
Settlement, 5 days, %	5 max	5 max		
Storage Stability, 24h, %				
Demulsibility, 35ml CaCl2 0.02N, %				
Cement Mixing Test, %	2 max	2 max		
Coating Test, %	80 min	80 min		
Residue by Distillation, 260°C, %	55 min	55 min		
Oil Portion of Distillate (V/M), %				
Particle Charge	(–) or 0	(–) or 0		
Tests on Residue				
Penetration, 25°C, dmm	100 – 200	40 – 100		
Solubility in TCE, %	97.5 min	97.5 min		
Ash Content, % mass of res				
Ductility, 25°C, cm Float Test, 60°C, sec	40 min	40 min		
Float Test, 60°C, sec				

Emulsion Anionic Bitumen Medium Setting Specifications



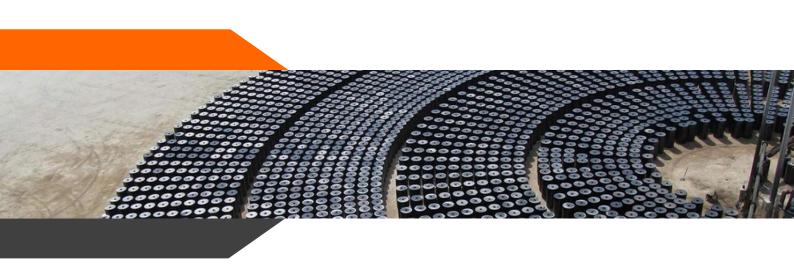
Emulsion Anionic Bitumen Medium Setting MS-1, MS-2, MS-4 and MS-5					
PROPERTIES	MS-1	MS-2	MS-4	MS-5	
Tests on Emulsion	min-max	min-max	min-max	min-max	
Viscosity, SF, 25°C, SFs	20 – 60		50 – 500	50 – 500	
Viscosity, SF, 50°C, SFs		35 – 400			
Sieve Test, #20, %	0.1 max	0.1 max	0.1 max	0.1 max	
Settlement, 5 days, %	3 max	3 max			
Storage Stability, 24h, %			1 max	1 max	
Demulsibility, 35ml CaCl2 0.02N, %					
Cement Mixing Test, %					
Coating Test, %	80 min	80 min	75 min	75 min	
Residue by Distillation, 260°C, %	55 min	65 min	65 min	65 min	
Oil Portion of Distillate (V/M), %		10 max	2 – 7	0-3	
Particle Charge	(–)	(-)	(–)	(-)	
Tests on Residue					
Penetration, 25°C, dmm	100 – 200	100 – 250	200 min	150 – 250	
Solubility in TCE, %	97.5 min	97.5 min	97.5 min	97.5 min	
Ash Content, % mass of res					
Ductility, 25°C, cm	40 min	40 min			
Float Test, 60°C, sec			50 min	100 min	



Emulsion Anionic Bitumen Rapid Setting Specifications



Emulsion Anionic Bitumen Rapid Setting RS-1, RS-1H and RS-2				
PROPERTIES	RS-1	RS-1H	RS-2	
Tests on Emulsion	min-max	min-max	min-max	
Viscosity, SF, 25°C, SFs	20 – 100	20 – 100		
Viscosity, SF, 50°C, SFs			75 – 300	
Sieve Test, #20, %	0.1 max	0.1 max	0.1 max	
Settlement, 5 days, %	3 max		3 max	
Storage Stability, 24h, %		1 max		
Demulsibility, 35ml CaCl2 0.02N, %	60 min	60 min	60 min	
Cement Mixing Test, %				
Coating Test, %				
Residue by Distillation, 260°C, %	55 min	55 min	60 min	
Oil Portion of Distillate (V/M), %				
Particle Charge	(–)	(-)	(-)	
Tests on Residue				
Penetration, 25°C, dmm	100 – 200	40 – 90	100 – 200	
Solubility in TCE, %	97.5 min	97.5 min	97.5 min	
Ash Content, % mass of res				
Ductility, 25°C, cm	60 min		60 min	
Float Test, 60°C, sec				



BITUMEN DRUM PACKING

New Steel Drum Packing for Bitumen Ready Stock

Our Bitumen Stock is Contain on 180KG New Steel Drum Packing which we Export in 20'ft Container. 110 Drums in Each 20'ft Container means 20 Metric Tons in Each 20'ft Container.

Tiger Bitumen sourced from Best Refineries located in Middle East and South East Asia having State of the Art technologies. Bulk Bitumen acquired in Bitumen Vessels and further packed in New Drums at our Packaging Facilities located in Karachi Free Zone and Jebel Ali Free Zone for Re-Exportation purpose. Our strategically and geographically located facilities in UAE Free Zones enable us to offer prompt and direct shipment deliveries from Dubai – Jebel Ali Port to Worldwide. Our Annual and Bi-Annual Contracts with Refineries enable us to offer Best Competitive Prices all the year around.



Bitumen Drum Specifications

The Customer's desire Marking will get Printed on New Bitumen Drums.









150 Kg New Steel Drum Specifications				
Item	Value			
Packing in	150 ± 3 kg			
Sheet grade	ST-12			
Height of drum 83 cm				
Diameter of drum	50 ± 0.2 cm			
Diameter of Lid	10 ± 0.2 cm			
Plate thickness (body)	0.6 mm			
Plate thickness (top & Bottom)	0.6 mm			
Drum Weight	8.3 ± 0.2 kg			





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