

RELAIBLE BITUMEN SUPPLIER
THROUGHOUT MALAYSIA

2025

PERSA EXIM TRADING SDN.BHD

COMPANY PROFILE



www.persamalaysia.com

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About Us

Introduction

Persa Exim Trading Sdn. Bhd is a Malaysia-based company specialized in the supply and export of premium bitumen. With extensive experience in international trade and petroleum products, we provide a wide range of bitumen grades that fully comply with ASTM and international standards.

Through our ready stock in Malaysia and strong logistics network, we ensure fast delivery, reliable service, and consistent quality to meet the needs of contractors, distributors, and government projects across Asia, the Middle East, and Africa. At Persa Exim, we are committed to being a trusted partner in the global bitumen market, delivering value and confidence to every transaction.



Mission & Vision

MISSION

- Our mission is to provide high-quality bitumen with reliable supply, fast delivery, and competitive pricing to customers worldwide. We are dedicated to building strong partnerships by ensuring transparency, integrity, and professional service in every transaction.

VISION

- Our vision is to become a leading global supplier of bitumen, recognized for our excellence, trustworthiness, and innovation in serving infrastructure and road construction projects across Asia, the Middle East, and Africa.



Our Philosophy

At Persa Exim Trading, our philosophy is built on trust, quality, and commitment. We believe that every successful partnership begins with transparency and ends with mutual growth. By combining global expertise with local presence, we aim to deliver not just bitumen, but also reliability, confidence, and long-term value to our clients.

Bitumen Grade Specifications

We offer comprehensive bitumen solutions with multiple grades to meet diverse application requirements. Our product range includes penetration grades 40/50, 60/70, and 80/100, each engineered for specific performance characteristics and environmental conditions.

Bitumen 40/50 Hard grade bitumen ideal for heavy traffic areas and hot climates, providing superior durability and resistance to deformation.	Bitumen 60/70 Most commonly used grade for road construction, offering optimal balance of flexibility and hardness for standard paving applications.	Bitumen 80/100 Softer grade suitable for moderate climates and lighter traffic conditions, providing excellent workability and adhesion properties.
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Specification	60/70 Grade	80/100 Grade	Test Method
Penetration @25°C	60-70	80-100	D-5
Softening Point °C	49-56	45-52	D-36
Flash Point °C	250 min	225 min	D-92
Ductility @25°C	100 min	100 min	D-113



		19
Temperature Dependency Thermoplastic properties cause material to soften at high temperatures and harden at lower temperatures, crucial for performance parameters.	Road Construction Suitable for asphalt pavements with superior properties, used in hot mix asphalt for bases and wearing courses in mild regions.	Performance Characteristics Determines adhesion, durability, and application temperatures through unique temperature-viscosity relationship properties.

Bitumen 60/70



SPECIFICATIONS

Bitumen 60/70 represents the most versatile penetration grade in industrial applications, characterized by a penetration value between 60-70 dmm at 25°C. This medium-consistency grade exhibits optimal rheological properties for moderate climate conditions, with a softening point range of 49-56°C according to ASTM D36 standards.



Road Construction

Suitable for road construction and asphalt pavements with superior properties. Main usage in roads in mild regions due to medium air blowing and penetration.



Hot Mix Asphalt

Used in manufacturing hot mix asphalt for bases and wearing courses. Essential component for durable pavement construction.



Pavement Repair

Ideal for pavement maintenance and repair work. Temperature-viscosity relationship ensures optimal performance in various conditions.

Bitumen 60/70	Test method	Unit	Specification
Specific gravity @ 25°C	ASTM D70	Kg/cm ³	1.01/1.06
Penetration @ 25°C	ASTM D5	mm/10	60/70
Softening point °C	ASTM D36	°C	49/56
Ductility @25 °C	ASTM D113	cm	100 min
Loss on heating(wt)° %	ASTM D6	wt %	0.2 max
Drop in penetration after heating %	ASTM D5-D6	%	20 max
Flashpoint °C	ASTM D92	°C	232 min
Solubility in Trichloroethylene	ASTM D2042	wt %	99 min
Spot test	A.A.S.H.O.T102		Negative



Bitumen 80/100



SPECIFICATIONS

Bitumen 80/100 serves as the preferred grade for applications demanding superior workability and extended working time. The softer consistency facilitates processing in cooler ambient conditions while maintaining adequate performance characteristics for structural applications. This grade demonstrates exceptional compatibility with polymer modifiers and additives, making it ideal for specialized formulations requiring enhanced flexibility and adhesion properties.

Manufacturing considerations include reduced heating requirements, which translate to lower energy costs and improved processing efficiency. However, storage protocols must account for the increased temperature sensitivity, requiring more precise thermal management systems to prevent premature aging or oxidation during extended storage periods.

Requirements for Asphalt Cement ASTM D946 & D3381				
PRODUCT SPECIFICATION BITUMEN 80/100				
Date:04/04/2020		Time:		
Batch number:		Laboratory Environmental Conditions		
Sample number:		Temperatur:	25	
		Humidity:	%38	
Analysis	Unit	Limit	Test method	Result
Density @ 25°C	Kg/m ³		ASTM D70	1.022
Penetration @25°C · 100 g · 5 s	0.1 mm	80-100	ASTM D5	95
Softening Point	° C	Min42	ASTM D36	47
Flash Point cleveland open cup	° C	Min 232	ASTM D92	318
Ductility @25° C · 5 cm/min	Cm	Min 100	ASTM D113	>100
Solubility in Trichloroethylene	wt %	Min 99	ASTM D2042	99.99
Viscosity @ 135 ° C	cSt	Min 250	ASTM D2170	276
Viscosity @ 60 ° c	pa.s	100±20	ASTM D2171	105
Spot Test		Negative	A.A.S.H.O.T 102	negative
Thin Film Oven Test (T.F.O.T) 163°C · 5 h				
loss on heating	wt %	Max 0.5	ASTM D6	0.05
Drop in penetration after T F O T	%	Max 20	ASTM D6-D5	4.5
Ductility @25° C · 5 cm/min after TFOT	Cm	Min 75	ASTM D113	>75



Bitumen 40/50



SPECIFICATIONS

Bitumen 40/50 represents the hardest standard penetration grade, engineered for demanding applications requiring maximum durability and load-bearing capacity. This grade exhibits superior resistance to permanent deformation under high-temperature conditions, making it the preferred choice for heavy-duty industrial applications and high-traffic infrastructure projects.

The enhanced stiffness characteristics provide exceptional rutting resistance and fatigue performance, crucial for applications subjected to repeated loading cycles. Processing requirements include elevated heating temperatures and extended mixing periods to achieve proper workability, necessitating robust thermal management systems and specialized handling equipment.

Requirements for Asphalt Cement ASTM D946 & D3381				
PRODUCT SPECIFICATION BITUMEN 40/50				
Time:			Date:25/12/2018	
Laboratory Environmental Conditions			Batch number:104/2031	
Temperature: 25			Sample number:9710-TK203-041	
Humidity: %38			Storage number:203	
Result	Test method	Limit	Unit	Analysis
1.036	ASTM D70		Kg/m ³	Density @ 25°C
43	ASTM D5	40/50	0.1 mm	Penetration @25°C . 100 g . 5 s
51.3	ASTM D36	Min49	° C	Softening Point
320	ASTM D92	Min 230	° C	Flash Point cleveland open cup
>100	ASTM D113	Min 100	Cm	Ductility @25° C . 5 cm/min
99.9	ASTM D2042	Min 99	wt %	Solubility in Trichloroethylene
475	ASTM D2170		cSt	kinematic Viscosity @ 135 ° C
Negative	A.A.S.H.O.T 102	Negative		Spot Test
Thin Film Oven Test (T.F.O.T) 163°C . 5 h				
0.041	ASTM D1754	Max 0.8	wt %	changing mass
61	ASTM D5	Min55	%	Retained Penetration after T F O T
84	ASTM D113	Min 50	Cm	Ductility @25° C . 5 cm/min after TFOT



Premium Bitumen Reliable Supply



BITUMEN GRADE

Bitumen 60/70

Bitumen 80/100

Bitumen 40/50



PAYMENT TERMS

Letter of Credit (LC): 100% Irrevocable,
Confirmed, Non-Transferable LC at
Sight via Dubai.

TT Payment: 30% cash in advance and
70% balance against customs
clearance documents.



LOCAL DELIVERY IN MALAYSIA

In addition to international exports, we
also provide local delivery services from
ready stock to customers within the
region.



PACKING

New Steel Drums:

Net Weight: 180 ± 2.5 kg

Gross Weight: 190 ± 2.5 kg

110 drums are loaded into each 20'
container.

Jumbo Bags with Metal Cage
(Optional)

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