




**BITUMEN &
PETROLEUM
PRODUCT
CATALOGUE**

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EMPERADOR Trading L.L.C.

Welcome to Emperador Trading L.L.C., a reputable petroleum supplier headquartered in Dubai. With a solid global presence, our company is dedicated to providing top-notch petroleum products at highly competitive prices. Our team of seasoned professionals boasts over a decade of expertise in the industry, allowing us to cater to our customers' diverse requirements effectively. Through our extensive network of suppliers worldwide, we offer comprehensive services that encompass every aspect from sourcing to timely delivery. We take pride in our deep understanding of market dynamics, enabling us to deliver services that are punctual, precise, and efficient to meet our customers' needs.

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ALIREZA CHEGINI

Introducing Alireza Chegini, an innovative entrepreneur, whose fervent passion for the bitumen industry ignited a remarkable journey in 2015. Supported by a team of experienced and respected professionals in the bitumen market, they came together to establish a venture that not only excels but also brings innovation to the bitumen trade.

With unwavering dedication and a relentless drive, Chegini and his team swiftly sealed numerous successful deals within the local market. Leveraging their well-established international connections, they fearlessly ventured into global territories, making a profound impact in markets spanning India, Southeast Asia, Africa, and the Middle East.

Today, Alireza Chegini and his dedicated team persist on their inspiring journey, approaching challenges with steadfast enthusiasm. We cordially invite you to join us on this evolutionary voyage, as we work towards a brighter future for all within the bitumen industry. Together, we conquer new frontiers.. Be a part of our journey as we redefine the future of the bitumen industry.

With an unwavering dedication to excellence and innovation, he has consistently supplied numerous customers across various countries with top-quality bitumen.

WHO WE ARE

Emperador Trading L.L.C., a reliable petroleum supplier based in Dubai, is committed to delivering top-tier petroleum products at competitive prices on a global scale. Our experienced team, boasting more than a decade of market knowledge, collaborates with an extensive network of suppliers worldwide, allowing us to offer end-to-end services spanning from sourcing to timely and precise delivery. Leveraging our profound market understanding, we have a deep insight into our valued customers' needs, ensuring that our service is punctual, accurate, and efficient.

Our product exports reach various regions worldwide, encompassing West and East Africa, Southeast Asia, China, and India, with an annual shipment volume of approximately 100,000 metric tons. We have a proven track record of successful partnerships with Chinese and European construction projects in both Africa, underscoring our unwavering commitment to excellence in global trade.

Our global presence is further fortified by our representatives strategically positioned in China, Tanzania, Zimbabwe enabling us to offer comprehensive support to our customers across the globe. Our steadfast dedication is geared towards establishing enduring partnerships with our clients, with the ultimate goal of being recognized as one of the foremost suppliers of high-quality bitumen in the Middle East.



OUR MISSION

From the initial consultation to the last delivery, we strive to provide our customers with exceptional services. To guarantee prompt, precise, and effective service, we make use of our skilled team and extensive global network of suppliers.

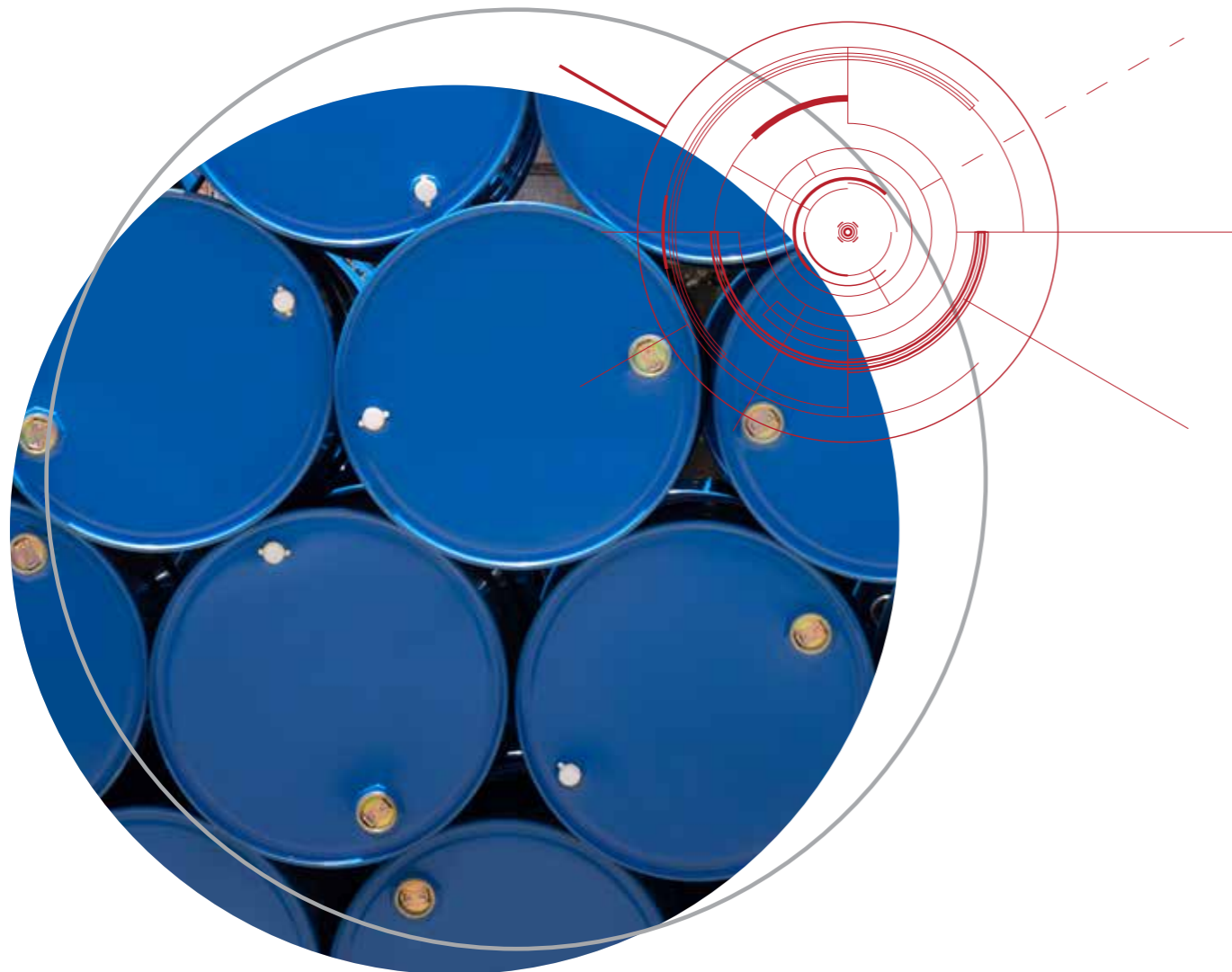
WHAT WE DO?

Our team is dedicated to keeping lines of communication open throughout the procedure, providing daily updates on the status of the shipment, and delivering the highest quality bitumen to our clients all over the world.



OUR VISION

At Emperador Trading L.L.C., our vision is to surpass expectations and become the preferred global supplier of bitumen, renowned for its unmatched quality and unwavering reliability. We strive to establish a reputation that resonates with excellence and trust among our esteemed clientele. By consistently delivering top-tier bitumen products and ensuring a reliable supply chain, we aim to set new benchmarks in the industry.



Our unwavering commitment to customer satisfaction, coupled with our relentless pursuit of excellence, drives us towards achieving our vision and cementing our position as the leading choice for international bitumen supply.



***Seal The Road To Success With The
Excellence Of Emperador***

OUR PRODUCTS AND SERVICES

Rely on us for dependable and secure delivery of premium Bitumen as we streamline the intricate process of international petroleum trade for your convenience.

01

At Emprador Trading L.L.C., we specialize in the supply of high-quality bitumen products to customers, including Penetration Grades, Cut-back, Oxidized, Emulsion, Viscosity Grades and Performance grades

02

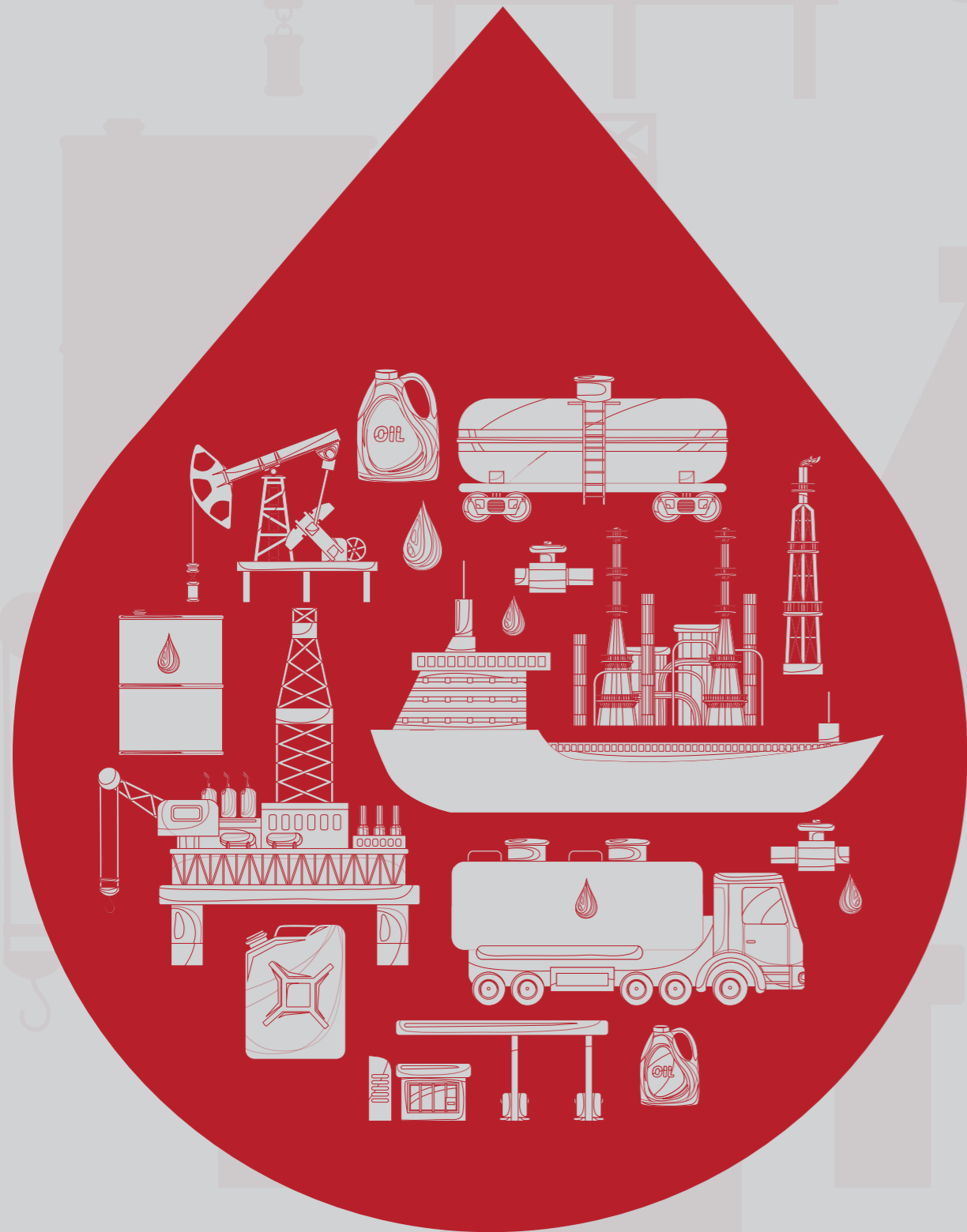
In addition to common types, we offer rare specifications of bitumen, including Oxidized Bitumen grades 115-15 and Cut-Back Bitumen. These special specifications add variety and flexibility to our product range, fulfilling special requirements and preferences.

03

We specialize in offering Jey oil company's Bitumen, which is available in embossed and non-embossed drums with SGS certification admitting authenticity of Jey Oil company product.



PACKAGING



Bitumen, being a highly viscous liquid, requires appropriate packaging to prevent leakage and contamination. There are three main types of bitumen packaging available, including New Steel Drum, Jumbo Bag, Bitutainers, and bulk.

Before making a purchasing decision, the buyer must consider the specifications of the bitumen and also be aware of the regulatory requirements at the destination. This will help determine the most suitable packaging option to ensure compliance with local regulations and safe transportation and storage of the product.

NEW STEEL DRUM



Drum Specification

- We provide bitumen in three packaging: new steel drums, jumbo bags, and bulk.
- New steel drums:
- Long new steel drum with 180 KG capacity
- Short new steel drum with 150 KG capacity
- Long new steel drum with 200 KG capacity

Bitumen Drum Specification		
Item	150 KG bitumen Drum	180 KG bitumen Drum
Height (cm)	86 ± 2	98 ± 2
Diameter (cm)	50	50
Body Thickness (mm)	0.6 ± 0.02	0.6 ± 0.02
Top/Base Thickness (mm)	0.6 ± 0.02	0.6 ± 0.02
Net Weight (kg)	150 ± 2	182 ± 2
Gross Weight (kg)	158 ± 2	192 ± 2
Empty Drum Weight (kg)	8.5 ± 1	9.5 ± 1

JUMBO BAGS

Jumbo bags are an excellent choice for environmentally conscious businesses seeking cost-effective packaging solutions. Compared to traditional drums, jumbo bags offer numerous advantages. Our company specializes in providing high-quality jumbo bag packaging with a focus on sustainability and efficiency. Our jumbo bags are crafted using durable 0.9 cm-thick steel, ensuring their strength and ability to withstand heavy loads. This robust construction guarantees that your products will remain secure during transportation and handling. Furthermore, we prioritize hygiene by utilizing disinfected pallets that meet international standards. This attention to cleanliness ensures that our packaging solutions are suitable for industries with strict regulatory requirements, such as food, pharmaceuticals, and chemicals. In addition to their strength and hygiene features, our jumbo bags are designed for easy recycling. We utilize materials with melting points below 150 degrees Celsius, facilitating a smooth and efficient recycling process. By opting for our jumbo bags, you contribute to the reduction of waste and the promotion of a circular economy.



BITUTAINER

Bitutainers are an excellent and secure method for transporting bitumen in a cooled state, eliminating the need for heat maintenance during transit. The primary purpose of these bitumen containers is to deliver bulk bitumen directly from the depot to customer sites. They come fully equipped with insulation and heating facilities, ensuring the bitumen remains in the desired condition throughout the journey. This insulation and heating feature enables the transportation of bitumen even in colder climates, maintaining its quality and usability upon arrival at the destination.

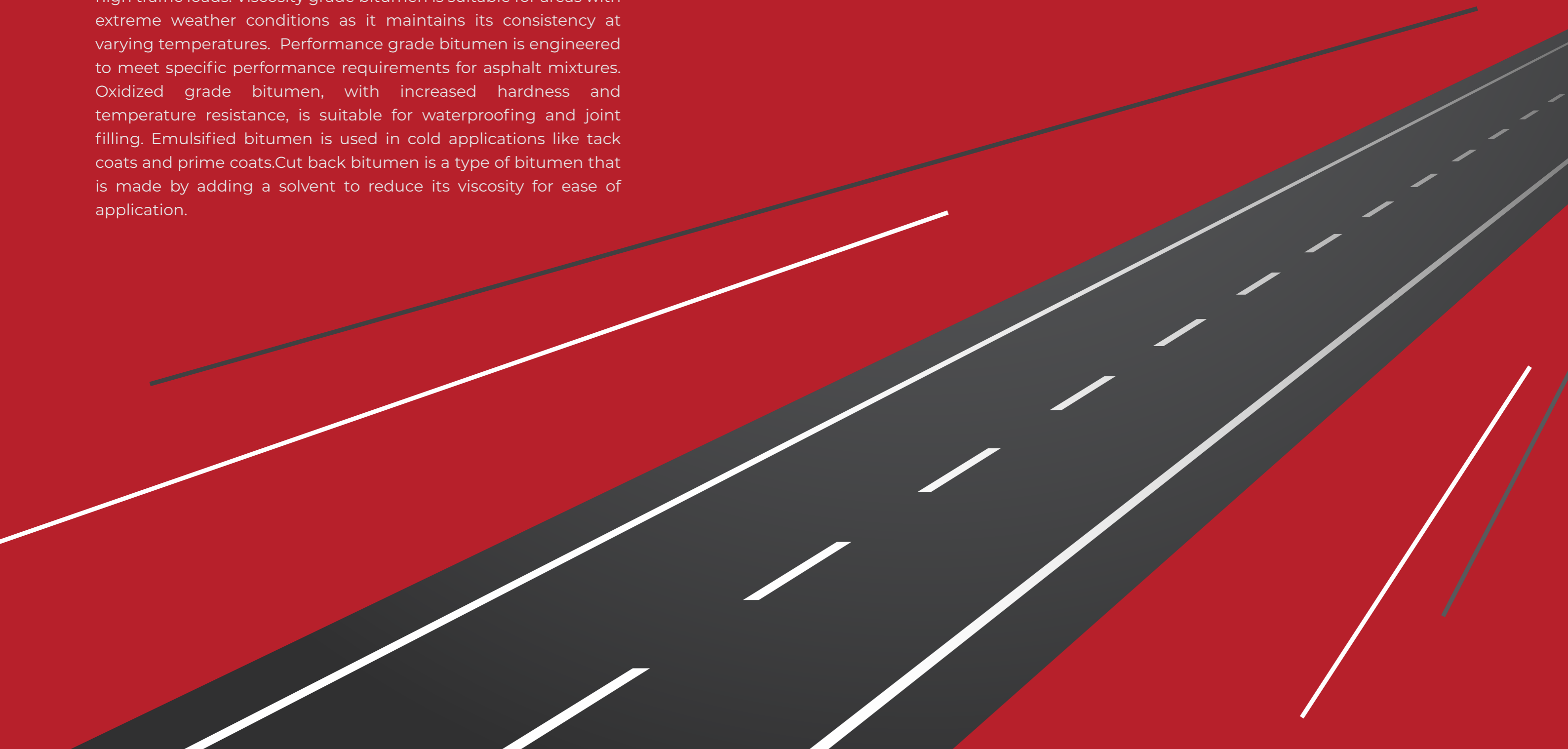


It is a specialized container designed specifically for transporting bulk bitumen. They are available in three different sizes: 20, 24, and 27 cubic meters. These containers meet the standard CSC (Convention for Safe Containers) requirements for safe shipping.

It is versatile and can accommodate all grades of bitumen, including PMBs (Polymer Modified Bitumen) and heavy fuel oils. However, they are not suitable for transporting Coal Tar due to the higher temperatures required for discharge and transfer.

PRODUCTS

Bitumen is categorized based on penetration grade, viscosity grade, and performance grade. Penetration grade bitumen is commonly used for road construction due to its ability to withstand high traffic loads. Viscosity grade bitumen is suitable for areas with extreme weather conditions as it maintains its consistency at varying temperatures. Performance grade bitumen is engineered to meet specific performance requirements for asphalt mixtures. Oxidized grade bitumen, with increased hardness and temperature resistance, is suitable for waterproofing and joint filling. Emulsified bitumen is used in cold applications like tack coats and prime coats. Cut back bitumen is a type of bitumen that is made by adding a solvent to reduce its viscosity for ease of application.



PENETRATION GRADE BITUMEN

Bitumen penetration grade is a commonly used standard grade of bitumen for pavement across the world. It is classified based on its penetration number, which determines its hardness. Known as paving grade bitumen, PEN grades are categorized based on the depth that a laboratory needle penetrates them, including 40/50, 60/70, 80/100, and 85/100. Bitumen 85/100 is the softest, while 40/50 is the hardest on the PEN grading scale

Penetration Grade
America Standard ASTM

CHARACTERISTIC	UNIT	40/50	60/70	80/100	120/150	TEST METHOD
Penetration @ 25 °C	0.1 mm	40/50	60/70	80/100	120/150	ASTM D 5
Flash point	°C	>250	>250	>225	>218	ASTM D 92
Solubility in TCE	% WT	>99.5	>99.5	>99.5	>99	ASTM D2040
Specific Gravity @ 25 °C	kg/m ³	1.01-1.06	1.01-1.06	1.01-1.05	1.00-1.05	ASTM D 70
Ductility @ 25 °C	cm	>100	>100	>100	>100	ASTM D 113
Softening point	°C	52-60	49-56	42-52	38-45	ASTM D 36
Loss on heating	% WT	<0.2	<0.2	<0.2	<0.5	ASTM D 6
Drop in penetration after heating	%	<20	<20	<20	<20	ASTM D 5

Penetration Grade
Europe Standard EN 12591

CHARACTERISTIC	UNIT	35/50	50/70	70/100	150/200	TEST METHOD
Penetration @ 25 °C	0.1 mm	35/50	50/70	70/100	150/200	EN 1426
Viscosity at 60°C, Pa.s	Poises	220-400	120-250	75-150	30-60	EN 12595
Viscosity at 135°C, mPa.s	CST	270-650	220-450	150-400	120-300	EN 12595
Ductility @ 25 °C	cm	>100	>100	>100	>100	EN 13589
Flash point	°C	>250	>250	>225	>218	EN 2595
Specific Gravity @ 25 °C	kg/m ³	1.01-1.06	1.01-1.06	1.01-1.05	1.00-1.04	EN 1427
Softening point	°C	49-59	46-56	42-51	36-43	EN 1427

VISCOSITY GRADE BITUMEN

The VG grading system was developed by the Bureau of Indian Standards (BIS) and is widely used in India. It is classified based on its viscosity, measured in centistokes at 60°C.

The VG grading system includes VG 10, VG 30, VG 40, and VG 50. The higher the VG number, the more viscous and stiffer the bitumen. Viscosity is an important factor in determining the performance characteristics of VG bitumen, including its resistance to deformation, fatigue, and cracking under traffic and environmental loads.

Viscosity Grade (India)

CHARACTERISTIC	UNIT	VG40	VG30	VG20	VG10	TEST METHOD
Penetration @ 25 °C	0.1 mm	40/60	50/70	60/80	80/100	ASTM D 5
Viscosity at 60°C, Pa.s	Poises	3200-4800	2400-3600	1600-2400	800-1200	ASTM D 2171
Viscosity at 135°C, mPa.s	CST	400 MIN	350 MIN	300 MIN	250 MIN	ASTM D 2170
Ductility @ 25 °C	cm	>100	>100	>100	>100	ASTM D 113
Solubility in TCE	% WT	>99	>99	>99	>99	ASTM D 2040
Flash point	°C	>220	>220	>220	>220	ASTM D 92
Softening point	°C	50 MIN	47 MIN	45 MIN	40 MIN	ASTM D 36
Tests on residue from rolling thin film oven test						
a) Viscosity ratio at 60°C		4 MAX	4 MAX	4 MAX	4 MAX	ASTM D 2171
b) Ductility at 25°C		25 MIN	40 MIN	50 MIN	75 MIN	ASTM D 113



EMULSION BITUMEN

Emulsion bitumen is a type of asphalt binder produced by suspending bitumen droplets in water, using an emulsifying agent. It's classified based on the type of emulsifying agent used. Common types of emulsion bitumen include cationic, anionic, and non-ionic emulsions, used in various applications, such as surface treatments, prime coats, and tack coats. Emulsion bitumen offers advantages such as lower application temperatures, better adhesion, reduced VOCs emission and ease of handling compared to other types. However, it may require additional curing time and is not suitable for high-traffic areas.

BITUMEN EMULSION K1

CHARACTERISTIC	K1-60	K1-70
Particle charge	POS	POS
Residue on 710 um KS sieve %(m/m), MAX	0.05	
Residue on 150 um KS sieve (g per 100 mL), MAX	0.15	
Binder content %(m/m), MIN	57	67
Viscosity (°E) @ 20°C	MIN 6 MAX 9	
Viscosity redwood @ 85°C		25 MIN 35 MAX
Storage stability (ONE DAY) % water content difference, MAX	2	1
Sieve Test %, MAX		0.1



BITUMEN EMULSION CRS1

CHARACTERISTIC	UNIT	CRS1	CSS1	TEST METHOD
viscosity Saybolt Furol at 50°C	SFS	20-100	20-100	ASTM D4796
Storage stability test, 24-h	%VOL	Max 1	Max 1	ASTM D6930
Demulsibility, 0.8% dioctyl sodium sulfosuccinate	%VOL	Min 40		ASTM D6936
Coating ability and water resistance				
Particle charge test		positive	positive	ASTM D7402
Cement mixing test	%VOL		Max 2	ASTM D6935
Sieve test	%VOL	Max 0.1	Max 0.1	ASTM D6933
Distillation				
Residue	%VOL	Min 60	Min 57	ASTM D6997
Oil distillate, by volume of emulsion	%VOL	Max 3		ASTM D6997
Tests on residue from distillation				
Penetration @ 25 °C	0.1 mm	100-250	100-250	ASTM D 5
Ductility at 25°C	cm	Min 40	Min 40	ASTM D 113
Solubility in TCE	% WT	Min 97.5	Min 97.5	ASTM D 2040



CUTBACK BITUMEN

Cutback bitumen is a blend of bitumen and solvent, designed for ease of working in lower temperatures and to increase durability. It's used for road construction and maintenance. Classification of cutback bitumen is determined by solvent used and curing time. Three types are RC, MC, and SC, used respectively for surface treatments, prime coats, and tack coats. Cutback bitumen is cost-effective and easy to use. Cutbacks are also used in cases where bitumen cannot be preheated to make asphalt.

MC CUTBACK BITUMEN
MEDIUM CURING

CHARACTERISTIC	UNIT	MC30	MC70	MC250	MC3000	TEST METHOD
Kinematic viscosity at 60°C	CST	30-60	70-140	250-500	3000-6000	ASTM D2170
Flash point	°C	38	38	66	66	ASTM D3143
Water Content (MAX)	%VOL	0.2	0.2	0.2	0.2	ASTM D95
Distillate to 360						
225	%VOL	10	10	10	10	ASTM D402
260	%VOL	40-70	25-65	15-55	15-75	ASTM D402
315	%VOL	75-93	75-87	60-87	80 MIN	ASTM D402
residue from distillation to 360	%VOL	50	55	67	67	ASTM D402
Tests on residue bitumen from distillation						
Penetration @ 25 °C	0.1 mm	120-150	120-150	120-150	120-150	ASTM D 5
Ductility at 25°C	cm	100	100	100	100	ASTM D 113
Solubility in TCE	% WT	99	99	99	99	ASTM D 2040

RC CUTBACK BITUMEN
RAPID CURING

CHARACTERISTIC	UNIT	RC30	RC70	RC250	RC3000	TEST METHOD
Kinematic viscosity at 60°C	CST	30-60	70-140	250-500	3000-6000	ASTM D2170
Flash point	°C			27	27	ASTM D3143
Water Content (MAX)	%VOL	0.2	0.2	0.2	0.2	ASTM D95
Distillate to 360						
225	%VOL	55	50	35	10	ASTM D402
260	%VOL	75	70	60	25	ASTM D402
315	%VOL	90	85	80	70	ASTM D402
residue from distillation to 360	%VOL	50	55	65	75	ASTM D402
Tests on residue bitumen from distillation						
Penetration @ 25 °C	0.1 mm	80-120	80-120	80-120	80-120	ASTM D 5
Ductility at 25°C	cm	100	100	100	100	ASTM D 113
Solubility in TCE	% WT	99	99	99	99	ASTM D 2040

● PERFORMANCE GRADES

Performance Grade (PG) bitumen is a type of asphalt binder that is designed to provide superior performance in a wide range of temperatures and weather conditions. It is classified based on its physical properties, including its viscosity, stiffness, and resistance to temperature changes. The PG grading system was developed to provide a standardized method for specifying asphalt binders for use in asphalt pavement construction. The grades are represented by numbers that indicate the expected performance at certain temperatures, such as PG 64-22, which is expected to perform well at pavement temperatures as low as -22°C and as high as 64°C.

High temperature degrees of efficiency	low temperature degrees of efficiency
PG 46	-34,-40,-46
PG 52	-10, -16, -22
PG 58	-10, -16, -22
PG 64	-10, -16, -22
PG 70	-10, -16, -22
PG 76	-16



WE CONNECT THE WORLD

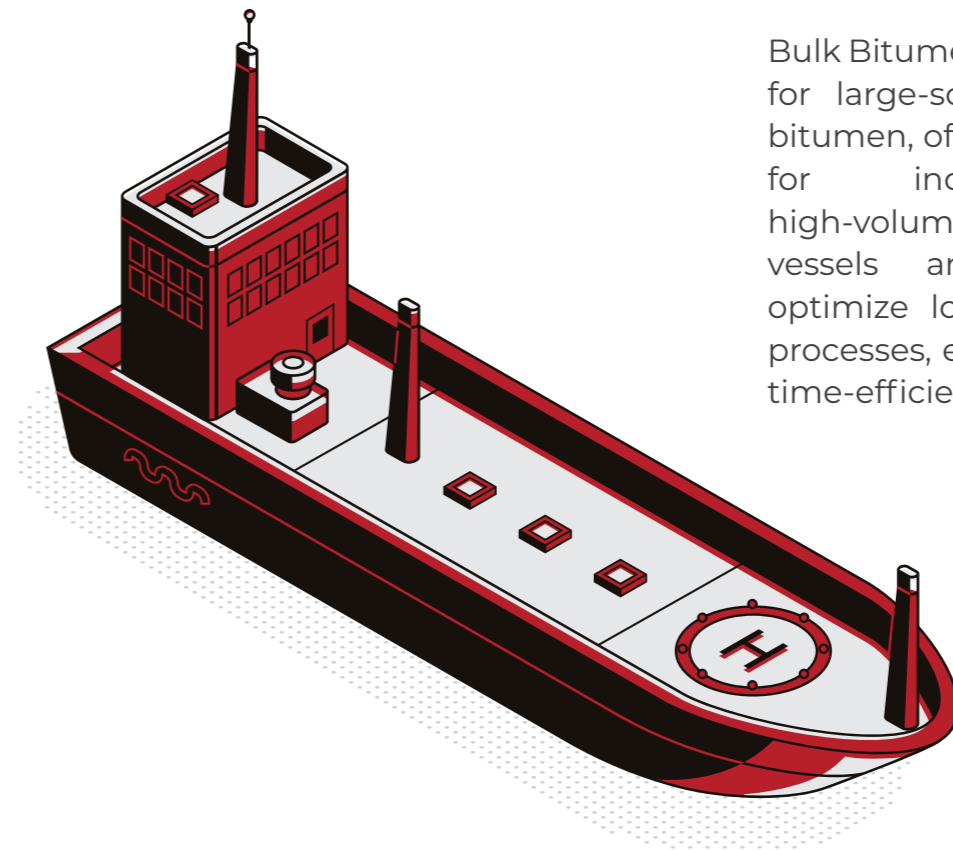
● WHY CHOOSE US?

- We have a proven track record of providing high-quality bitumen products and services to businesses around the world.
- A variety of packaging options, including drums, bulk, and jumbo bags, are available to cater to our customers' needs.
- We offer competitive pricing and flexible terms to meet the unique needs of each of our customers.
- Our experienced team has a deep understanding of global bitumen markets and can help our customers navigate complex trade regulations and requirements
- we specialize in providing uncommon specifications of bitumen, such as penetration grades EN - standard, emulsion grades, oxidized, and cut back bitumen
- Our commitment is to foster enduring partnerships with our customers, founded on trust, transparency, and mutual respect.

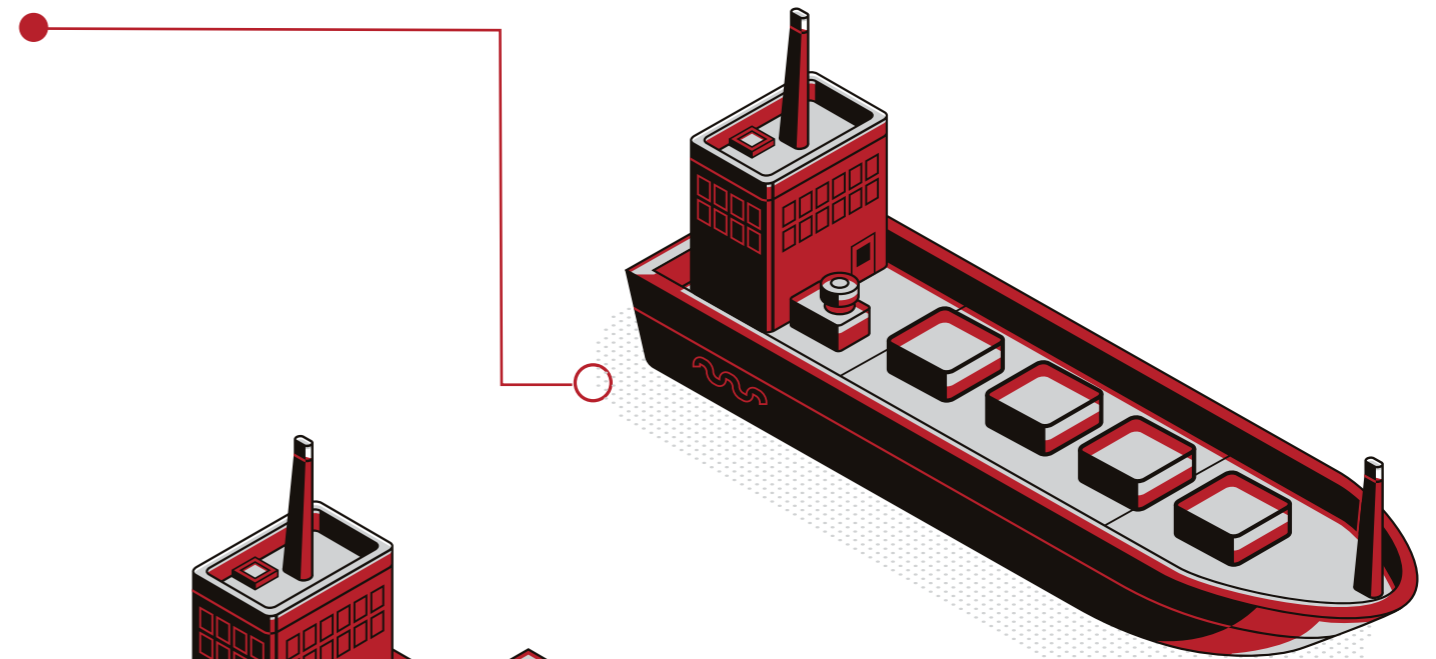
SEA FREIGHT

Break bulk Vessel refers to a specialized practice where bitumen is transported via bulk vessels in individual drums or jumbo bags rather than being containerized. Each piece of cargo is handled separately, ensuring secure transportation and minimizing the risk of contamination or leakage. This approach allows for versatile shipment sizes and specific bulk requirements, making it ideal for smaller or specialized consignments. Break bulk vessels utilize specialized equipment for efficient loading and unloading, providing precise and reliable bitumen shipping solutions to various global destinations.

Containerized Bitumen Vessels are flexible and convenient solution for smaller or specialized shipments. Securely accommodating bitumen in sealed containers, they offer added protection and ease of handling. Choose between drums for smaller to medium-sized shipments or jumbo bags for specific bulk needs, reducing additional packaging materials. These vessels handle various container sizes, ensuring seamless intermodal compatibility for efficient transportation. Meticulously inspected for leak-proof and tamper-resistant packaging, your bitumen cargo will arrive in pristine condition.



Bulk Bitumen vessels are designed for large-scale transportation of bitumen, offering an ideal solution for industries requiring high-volume shipments. These vessels are purpose-built to optimize loading and unloading processes, ensuring a smooth and time-efficient operation.



OUR CLIENTS

WORLD - W I D E

With clients worldwide, Emperador Trading L.L.C is a trusted bitumen exporter. Our quality products, competitive prices, and global presence have fostered lasting partnerships. From West and East Africa to Southeast Asia, our commitment to excellence makes us a preferred choice in the Middle East and beyond.

01
Senegal
Mali
The Gambia
Guinea
Sierra Leone
Togo
Benin

02
Cameroon
R Congo
DR Congo
Gabon

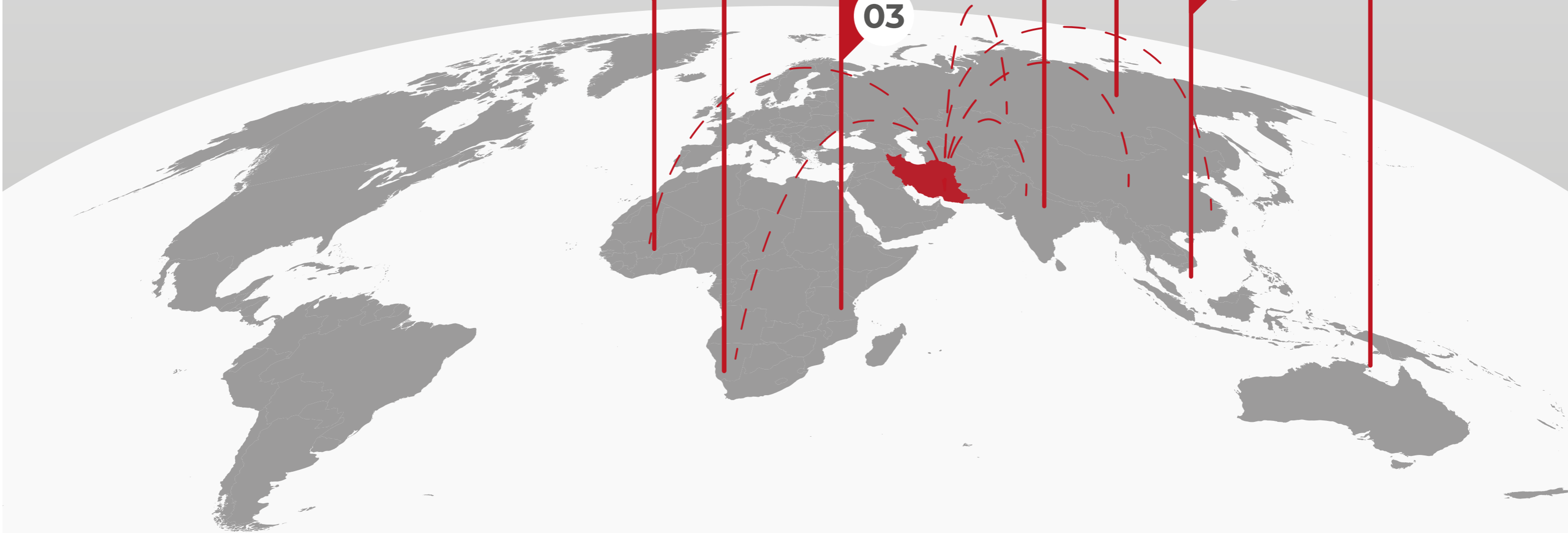
03
Tanzania
Kenya
Zimbabwe
Mozambique
Rwanda
Uganda
Ethiopia

04
India
Sri Lanka
Bangladesh
Nepal

05
China
Philippines
Taiwan

06
Indonesia
Malaysia
Thailand
Vietnam
Myanmar

07
New Zealand
Australia
Papua New Guinea
Timor-Leste





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