



# WEEKLY PRICE

October 20, 2025



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## WEEKLY REPORT

During 13-17 October 2025, Brent crude oil prices fell sharply by \$3.20/bl from the previous week to \$60.99-63.40/bl.

The decline in crude and fuel oil prices pressured the bitumen markets.

In **Asia**, Singapore export prices held stable at \$395-404/t FOB as refineries had sold out before the crude drop, and trade to Indonesia was firm.

South Korean FOB prices, however, fell sharply by \$18/t to \$367-375/t.

In China, oversupply and weaker crude pushed domestic prices down. Also, import interest remained muted.

In India, refinery-listed VG10, VG30, and VG40 prices fell. Also, import demand stayed weak due to high inventories.

In the **Middle East**, bulk export prices were steady at \$260-270/t, but drummed cargoes declined \$7.50/t. Demand for drums and jumbo bags reduced, but flexi-tank exports to China rose slightly.

Bahrain's offers stayed at \$400/t, and Iraqi exports remained limited.

In **Africa**, South African domestic truck prices rose R600/t, but CFR Lagos bulk cargoes fell \$10/t, and East African drummed cargoes to Mombasa and Dar es Salaam dropped \$7/t.

The full report is available at the following link:  
[Weekly Bitumen Market-October 20](#)

# T E R M S

**Price:** Prices are calculated based on 500 tons

**Delivery Time:** The delivery time commences from the receipt of advance payment in the Seller's account and terminates at the time of submitting the customs documents to the shipping line.

**Transit Time:** Shipping time is out of the Seller's commitments.

**Payment:** 30% advance and balance on a scanned copy of the BL

# IMPORTANT P O I N T S

1. The buyer initiates the order.
2. The seller issues the pro forma invoice (contract) to the buyer.
3. Upon receipt of the pro forma invoice, the buyer is required to remit the prepayment via Swift and return the signed document to the seller.
4. Following receipt of the prepayment and the signed pro forma invoice, the seller arranges for the shipment of the cargo and provides the buyer with a scanned copy of the Bill of Lading (BL).
5. Upon receiving the scanned BL, the buyer settles the remaining balance payment.
6. Once the balance payment is received, the seller dispatches the Commercial Invoice, Packing List, Bill of Lading, and Inspection Certificate to the buyer via courier.

# Who We Are

Emperador is a trusted bitumen supplier based in the Middle East, serving clients worldwide with an unwavering commitment to quality and service. We guarantee that every shipment meets the highest international quality standards through our comprehensive supply oversight and rigorous quality control processes. Our dedication to transparency sets us apart. We keep you well-informed with daily data sheets and regular shipment updates, ensuring you have complete visibility throughout the entire process. At Emperador, we approach every transaction with the utmost professionalism, ensuring the delivery of premium-grade bitumen and providing consistent customer service.





## OUR MISSION

From the initial consultation to the last delivery, we strive to provide our customers with exceptional service. 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.

# EAST AFRICAN COUNTRIES

Validity: One Week



## MOMBASA, KENYA

| MOMBASA, KENYA                    |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 40/50                             | \$83       | \$457    |
| 60/70 & 85/100                    | \$83       | \$455    |
| 35/50                             | \$84       | \$460    |
| 50/70 & 70/100                    | \$83       | \$459    |
| Cut-Back-MC30                     | \$135      | \$714    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$420    |



## DAR ES SALAAM, TANZANIA

| DAR ES SALAAM, TANZANIA           |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 40/50                             | \$86       | \$474    |
| 60/70 & 85/100                    | \$86       | \$472    |
| 35/50                             | \$87       | \$477    |
| 50/70 & 70/100                    | \$87       | \$476    |
| Cut-Back-MC30                     | \$139      | \$738    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$436    |



## DJIBOUTI, DJIBOUTI

| DJIBOUTI, DJIBOUTI                |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 40/50                             | \$85       | \$468    |
| 60/70 & 85/100                    | \$85       | \$466    |
| 35/50                             | \$86       | \$471    |
| 50/70 & 70/100                    | \$85       | \$470    |
| Cut-Back-MC30                     | \$138      | \$730    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$431    |



## TOAMASINA, MADAGASCAR

| TOAMASINA, MADAGASCAR             |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 40/50                             | \$99       | \$543    |
| 60/70 & 85/100                    | \$98       | \$541    |
| 35/50                             | \$99       | \$546    |
| 50/70 & 70/100                    | \$99       | \$545    |
| Cut-Back-MC30                     | \$156      | \$828    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$499    |



## NACALA, MOZAMBIQUE

| NACALA, MOZAMBIQUE                |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 40/50                             | \$99       | \$543    |
| 60/70 & 85/100                    | \$98       | \$541    |
| 35/50                             | \$99       | \$546    |
| 50/70 & 70/100                    | \$99       | \$545    |
| Cut-Back-MC30                     | \$156      | \$828    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$499    |



## BEIRA, MOZAMBIQUE

| BEIRA, MOZAMBIQUE                 |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 40/50                             | \$102      | \$561    |
| 60/70 & 85/100                    | \$102      | \$559    |
| 35/50                             | \$102      | \$564    |
| 50/70 & 70/100                    | \$102      | \$563    |
| Cut-Back-MC30                     | \$161      | \$851    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$515    |

# EAST AFRICAN COUNTRIES

Validity: One Week

# WEST AFRICAN COUNTRIES

Validity: One Week



## WALVIS BAY, NAMIBIA

| WALVIS BAY, NAMIBIA               |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$114      | \$626    |
| 50/70                             | \$114      | \$628    |
| 35/50                             | \$115      | \$630    |
| Cut-Back-MC30                     | \$178      | \$941    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$577    |



## LUANDA, ANGOLA

| LUANDA, ANGOLA                    |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$104      | \$571    |
| 50/70                             | \$104      | \$573    |
| 35/50                             | \$105      | \$575    |
| Cut-Back-MC30                     | \$164      | \$868    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$527    |



## LIBREVILLE, GABON

| LIBREVILLE, GABON                 |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$108      | \$596    |
| 50/70                             | \$109      | \$598    |
| 35/50                             | \$109      | \$600    |
| Cut-Back-MC30                     | \$170      | \$901    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$549    |



## POINTE-NOIRE, R CONGO

| POINTE-NOIRE, R CONGO             |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$104      | \$574    |
| 50/70                             | \$105      | \$576    |
| 35/50                             | \$105      | \$578    |
| Cut-Back-MC30                     | \$164      | \$871    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$529    |



## MATADI, DR CONGO

| MATADI, DR CONGO                  |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$109      | \$601    |
| 50/70                             | \$110      | \$603    |
| 35/50                             | \$110      | \$605    |
| Cut-Back-MC30                     | \$171      | \$908    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$554    |



## BATA, GUINEA EQUATORIAL

| BATA, GUINEA EQUATORIAL           |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$107      | \$591    |
| 50/70                             | \$108      | \$593    |
| 35/50                             | \$108      | \$595    |
| Cut-Back-MC30                     | \$169      | \$895    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$545    |

# WEST AFRICAN COUNTRIES

Validity: One Week

# WEST AFRICAN COUNTRIES

Validity: One Week



## DUALA, CAMEROON

| DUALA, CAMEROON                   |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$103      | \$566    |
| 50/70                             | \$103      | \$568    |
| 35/50                             | \$104      | \$570    |
| Cut-Back-MC30                     | \$163      | \$861    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$522    |



## COTONOU, BENIN

| COTONOU, BENIN                    |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$104      | \$573    |
| 50/70                             | \$104      | \$575    |
| 35/50                             | \$105      | \$577    |
| Cut-Back-MC30                     | \$164      | \$870    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$528    |



## LOMÉ, TOGO

| LOMÉ, TOGO                        |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$105      | \$576    |
| 50/70                             | \$105      | \$578    |
| 35/50                             | \$105      | \$580    |
| Cut-Back-MC30                     | \$165      | \$875    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$531    |



## BANJUL, GAMBIA

| BANJUL, GAMBIA                    |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$114      | \$629    |
| 50/70                             | \$115      | \$631    |
| 35/50                             | \$115      | \$633    |
| Cut-Back-MC30                     | \$178      | \$945    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$579    |



## FREETOWN, SIERRA

| FREETOWN, SIERRALEON              |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$106      | \$581    |
| 50/70                             | \$106      | \$583    |
| 35/50                             | \$106      | \$585    |
| Cut-Back-MC30                     | \$166      | \$881    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$536    |



## MONROVIA, LIBERIA

| MONROVIA, LIBERIA                 |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$109      | \$601    |
| 50/70                             | \$110      | \$603    |
| 35/50                             | \$110      | \$605    |
| Cut-Back-MC30                     | \$171      | \$908    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$554    |

# WEST AFRICAN COUNTRIES

Validity: One Week

# WEST AFRICAN COUNTRIES

Validity: One Week



## CONAKRY, GUINEA

| CONAKRY, GUINEA                   |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$108      | \$596    |
| 50/70                             | \$109      | \$598    |
| 35/50                             | \$109      | \$600    |
| Cut-Back-MC30                     | \$170      | \$901    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$549    |



## DAKAR, SENEGAL

| DAKAR, SENEGAL                    |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$104      | \$571    |
| 50/70                             | \$104      | \$573    |
| 35/50                             | \$105      | \$575    |
| Cut-Back-MC30                     | \$164      | \$868    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$527    |



## NOUAKCHOTT, MAURITANIA

| NOUAKCHOTT, MAURITANIA            |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$106      | \$581    |
| 50/70                             | \$106      | \$583    |
| 35/50                             | \$106      | \$585    |
| Cut-Back-MC30                     | \$166      | \$881    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$536    |



## DURBAN, SOUTH AFRICA

| DURBAN, SOUTH AFRICA              |            |          |
|-----------------------------------|------------|----------|
| Grade                             | PER BARREL | PER TONE |
| 60/70                             | \$90       | \$496    |
| 50/70                             | \$91       | \$498    |
| 35/50                             | \$91       | \$500    |
| Cut-Back-MC30                     | \$145      | \$768    |
| Oxized Bitumen 115/15 (18 KG Bag) |            | \$458    |

# ASIAN COUNTRIES

Validity: One Week



## YANGON, MYANMAR

| YANGON, MYANMAR |               |       |
|-----------------|---------------|-------|
| 60/70 & 85/100  | Drum 180KG    | \$429 |
|                 | Jumbo Bag     | \$424 |
| 115/15          | 18 KG bag     | \$397 |
| Cut-Back-MC30   | Drum 220 lits | \$680 |
|                 | IBC Tank      | \$665 |



## PHNOM PENH, CAMBODIA

| PHNOM PENH, CAMBODIA    |               |       |
|-------------------------|---------------|-------|
| 60/70 & 85/100          | Drum 180KG    | \$461 |
|                         | Jumbo Bag     | \$456 |
| Oxidized Bitumen 115/15 | 18 KG bag     | \$427 |
| Cut-Back-MC30           | Drum 220 lits | \$721 |
|                         | IBC Tank      | \$701 |



## SIHANOUVILLE, CAMBODIA

| SIHANOUVILLE, CAMBODIA  |               |       |
|-------------------------|---------------|-------|
| 60/70 & 85/100          | Drum 180KG    | \$461 |
|                         | Jumbo Bag     | \$456 |
| Oxidized Bitumen 115/15 | 18 KG bag     | \$427 |
| Cut-Back-MC30           | Drum 220 lits | \$721 |
|                         | IBC Tank      | \$701 |



## HO CHI MINH , VIETNAM

| HO CHI MINH, VIETNAM    |               |       |
|-------------------------|---------------|-------|
| 60/70 & 85/100          | Drum 180KG    | \$416 |
|                         | Jumbo Bag     | \$411 |
| Oxidized Bitumen 115/15 | 18 KG bag     | \$385 |
| Cut-Back-MC30           | Drum 220 lits | \$663 |
|                         | IBC Tank      | \$651 |



## HAIPHONG, VIETNAM

| HAIPHONG, VIETNAM |               |       |
|-------------------|---------------|-------|
| 60/70 & 85/100    | Drum 180KG    | \$416 |
|                   | Jumbo Bag     | \$411 |
| 115/15            | 18 KG bag     | \$385 |
| Cut-Back-MC30     | Drum 220 lits | \$663 |
|                   | IBC Tank      | \$651 |



## KLANG, MALAYSIA

| PORT KLANG, MALAYSIA    |               |       |
|-------------------------|---------------|-------|
| 60/70 & 85/100          | Drum 180KG    | \$401 |
|                         | Jumbo Bag     | \$396 |
| Oxidized Bitumen 115/15 | 18 KG bag     | \$372 |
| Cut-Back-MC30           | Drum 220 lits | \$643 |
|                         | IBC Tank      | \$635 |

# ASIAN COUNTRIES

Validity: One Week

# ASIAN COUNTRIES

Validity: One Week



## SURABAYA, INDONESIA

| SURABAYA, INDONESIA     |               |       |
|-------------------------|---------------|-------|
| 60/70 & 85/100          | Drum 180KG    | \$406 |
|                         | Jumbo Bag     | \$401 |
| Oxidized Bitumen 115/15 | 18 KG bag     | \$376 |
| Cut-Back-MC30           | Drum 220 lits | \$650 |
|                         | IBC Tank      | \$640 |



## JAKARTA, INDONESIA

| JAKARTA, INDONESIA      |               |       |
|-------------------------|---------------|-------|
| 60/70 & 85/100          | Drum 180KG    | \$406 |
|                         | Jumbo Bag     | \$401 |
| Oxidized Bitumen 115/15 | 18 KG bag     | \$376 |
| Cut-Back-MC30           | Drum 220 lits | \$650 |
|                         | IBC Tank      | \$640 |



## BELAWAN, INDONESIA

| BELAWAN, INDONESIA      |               |       |
|-------------------------|---------------|-------|
| 60/70 & 85/100          | Drum 180KG    | \$406 |
|                         | Jumbo Bag     | \$401 |
| Oxidized Bitumen 115/15 | 18 KG bag     | \$376 |
| Cut-Back-MC30           | Drum 220 lits | \$650 |
|                         | IBC Tank      | \$640 |



## LAE, PAPUA NEW GUINEA

| LAE, PAPUA NEW GUINEA   |               |       |
|-------------------------|---------------|-------|
| 60/70 & 85/100          | Drum 180KG    | \$571 |
|                         | Jumbo Bag     | \$566 |
| Oxidized Bitumen 115/15 | 18 KG bag     | \$527 |
| Cut-Back-MC30           | Drum 220 lits | \$868 |
|                         | IBC Tank      | \$823 |



## SOUTH MANILA, PHILIPPINES

| SOUTH MANILA, PHILIPPINES |               |       |
|---------------------------|---------------|-------|
| 60/70 & 85/100            | Drum 180KG    | \$456 |
|                           | Jumbo Bag     | \$451 |
| Oxidized Bitumen 115/15   | 18 KG bag     | \$422 |
| Cut-Back-MC30             | Drum 220 lits | \$715 |
|                           | IBC Tank      | \$695 |



## NORTH MANILA, PHILIPPINES

| NORTH MANILA, PHILIPPINES |               |       |
|---------------------------|---------------|-------|
| 60/70 & 85/100            | Drum 180KG    | \$456 |
|                           | Jumbo Bag     | \$451 |
| 115/15                    | 18 KG bag     | \$422 |
| Cut-Back-MC30             | Drum 220 lits | \$715 |
|                           | IBC Tank      | \$695 |

# ASIAN COUNTRIES

Validity: One Week

# ASIAN COUNTRIES

Validity: One Week



## DAVAO, PHILIPPINES

| DAVAO, PHILIPPINES      |               |       |
|-------------------------|---------------|-------|
| 60/70 & 85/100          | Drum 180KG    | \$456 |
|                         | Jumbo Bag     | \$451 |
| Oxidized Bitumen 115/15 | 18 KG bag     | \$422 |
| Cut-Back-MC30           | Drum 220 lits | \$715 |
|                         | IBC Tank      | \$695 |



## KAOHSIUNG, TAIWAN

| KAOHSIUNG, TAIWAN       |               |       |
|-------------------------|---------------|-------|
| 60/70 & 85/100          | Drum 180KG    | \$411 |
|                         | Jumbo Bag     | \$406 |
| Oxidized Bitumen 115/15 | 18 KG bag     | \$380 |
| Cut-Back-MC30           | Drum 220 lits | \$656 |
|                         | IBC Tank      | \$645 |



## KEELUNG, TAIWAN

| KEELUNG, TAIWAN         |               |       |
|-------------------------|---------------|-------|
| 60/70 & 85/100          | Drum 180KG    | \$411 |
|                         | Jumbo Bag     | \$406 |
| Oxidized Bitumen 115/15 | 18 KG bag     | \$380 |
| Cut-Back-MC30           | Drum 220 lits | \$656 |
|                         | IBC Tank      | \$645 |

## TERMS & CONDITIONS

### East Africa

East African prices include inspection certificate Q&Q / PVOC / COC by SGS.

### West Africa

The West African prices include the inspection certificate by SGS or Geo Chem, according to the buyer's request.

Country-specific documents—such as BESC, FEERI, ECTN, and others— can be prepared by the EMPERADOR team. The cost of these documents will be added to the above prices based on the quantity of the order.

### Asia

All cargoes are inspected at the loading port by SGS or Geo Chem, at the seller's account.

The marking on the drums will conform to the buyer's specifications.

Switch BL and House BL will be done by the seller and in the seller's account.

### PENETRATION GRADE (ASIA AND EAST AFRICA)

| 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 D 92   |
| Specific Gravity @ 25 °C          | kg / m³ | 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 (SOUTH AND WEST AFRICA)

| 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  | ASTM D 5    |
| Viscosity at 60°C, Pa.s   | °C      | 220-400   | 120-250   | 75-150    | 30-60     | ASTM D 4402 |
| Viscosity at 135°C, mPa.s | % WT    | 270-650   | 220-450   | 150-400   | 120-300   | ASTM D 4402 |
| Specific Gravity @ 25 °C  | kg / m³ | 1.01-1.06 | 1.01-1.06 | 1.01-1.05 | 1.00-1.04 | ASTM D 3142 |
| Softening point           | °C      | 49-59     | 46-56     | 42-51     | 36-43     | ASTM D 36   |

### VISCOSITY GRADE (INDIA)

| CHARACTERISTIC                                    | UNIT   | VG40      | VG30      | VG20      | VG10     | TEST METHOD |
|---------------------------------------------------|--------|-----------|-----------|-----------|----------|-------------|
| Absolute viscosity at 60°C,                       | Poises | 3200-4800 | 2400-3600 | 1600-2400 | 800-1200 | ASTM D 2171 |
| Kinematic viscosity at 135°C                      | CST    | 400 MIN   | 350 MIN   | 300 MIN   | 250 MIN  | ASTM D 2170 |
| Penetration @ 25 °C                               | 0.1 mm | 40/ 60    | 50/ 70    | 60/ 80    | 80/ 100  | ASTM D 5    |
| Flash point                                       | °C     | 220 MIN   | 220 MIN   | 220 MIN   | 220 MIN  | ASTM D 92   |
| Solubility in TCE                                 | % WT   | 99 MIN    | 99 MIN    | 99 MIN    | 99 MIN   | ASTM D 2040 |
| 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  |

### MEDIUM-CURING (MC) CUTBACK-BITUMEN

| CHARACTERISTIC                            | UNIT   | MC 30   | MC 70   | MC 250  | MC 3000   | TEST METHOD |
|-------------------------------------------|--------|---------|---------|---------|-----------|-------------|
| Kinematic viscosity at 60°C               | CST    | 30-60   | 70-140  | 250-500 | 3000-6000 | ASTM D 2170 |
| Flash point                               | °C     | 38      | 38      | 66      | 66        | ASTM D 3143 |
| Water Content (MAX)                       | %VOL   | 0.2     | 0.2     | 0.2     | 0.2       | ASTM D 95   |
| Distillate to 360                         |        |         |         |         |           |             |
| 225 (MAX)                                 | %VOL   | 10      | 10      | 10      | 10        | ASTM D 402  |
| 260                                       | %VOL   | 40-70   | 25-65   | 15-55   | 15-75     | ASTM D 402  |
| 315                                       | %VOL   | 75-93   | 75-87   | 60-87   | 80 Min    | ASTM D 402  |
| Residue from Distillation to 360 (MIN)    |        | 50      | 55      | 67      | 67        | ASTM D 402  |
| Test on Residue Bitumen from Distillation |        |         |         |         |           |             |
| Penetration @ 25 °C                       | 0.1 mm | 120-250 | 120-250 | 120-250 | 120-250   | 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 2042 |

### RAPID-CURING (RC) CUTBACK-BITUMEN

| CHARACTERISTIC                            | UNIT   | RC 30  | RC 70  | RC 250  | RC 3000   | TEST METHOD |
|-------------------------------------------|--------|--------|--------|---------|-----------|-------------|
| Kinematic viscosity at 60°C               | CST    | 30-60  | 70-140 | 250-500 | 3000-6000 | ASTM D 2170 |
| Flash point                               | °C     |        |        | 27      | 27        | ASTM D 3143 |
| Water Content (MAX)                       | %VOL   | 0.2    | 0.2    | 0.2     | 0.2       | ASTM D 95   |
| Distillate to 360                         |        |        |        |         |           |             |
| 225 (MAX)                                 | %VOL   | 55     | 50     | 35      |           | ASTM D 402  |
| 260                                       | %VOL   | 75     | 70     | 60      | 25        | ASTM D 402  |
| 315                                       | %VOL   | 90     | 85     | 80      | 70        | ASTM D 402  |
| Residue from Distillation to 360 (MIN)    |        | 50     | 55     | 65      | 75        | ASTM D 402  |
| Test 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 2042 |

# PACKING DETAILS

| PERFORMANCE GRADE                                                         |                                                  |                                           |                             |                        |                        |
|---------------------------------------------------------------------------|--------------------------------------------------|-------------------------------------------|-----------------------------|------------------------|------------------------|
| CHARACTERISTIC                                                            | PG 58                                            | PG 64                                     | PG 70                       | PG 76                  | PG 82                  |
| After seven days maximum pavement design temperature, °C                  | < 58                                             | < 64                                      | < 70                        | < 76                   | < 82                   |
| maximum pavement design temperature, °C                                   | >(-16) >(-10) >(-16) >(-22) >(-28) >(-34) >(-40) | >(-10) >(-16) >(-22) >(-28) >(-34) >(-40) |                             |                        |                        |
| Original Binder                                                           |                                                  |                                           |                             |                        |                        |
| Dynamic shear (T315) G*/sin, min 1 kpa test temperature @ 10 rad/s, °C    | 58                                               | 64                                        | 70                          | 76                     | 82                     |
| RTFO treated Binder (T240)                                                |                                                  |                                           |                             |                        |                        |
| Dynamic shear (T315) G*/sin, min 2.2 kpa test temperature @ 10 rad/s, °C  | 58                                               | 64                                        | 70                          | 76                     | 82                     |
| Pressure ageing vessel reduce (R28)                                       |                                                  |                                           |                             |                        |                        |
| PAV aging temperature, °C                                                 | 100                                              | 100                                       | 100 (110)                   | 100 (110)              | 100 (110)              |
| Dynamic shear (T315) G*/sin, min 5000 kpa test temperature @ 10 rad/s, °C | 25 - 22 - 19 - 16 - 13                           | 31 - 28 - 25 - 22 – 19 - 16               | 34 - 31 - 28 - 25 - 22 - 19 | 37 - 34 - 31 - 28 - 25 | 40 - 37 - 34 - 31 - 28 |

## PENETRATION GRADES & PERFORMANCE GRADE:

180 KG NEW DRUM

NET WEIGHT: 182 KG+/-5

GROSS WEIGHT: 190 KG+/-5

110 NEW STEEL DRUMS IN PER 20' FCL (20 METRIC TONS).

## PENETRATION GRADES:

JUMBO BAG

NET WEIGH: 1 MT

20 JUMBO BAGS IN PER 20' FCL (20 METRIC TONS).

## PENETRATION GRADES:

150 KG NEW DRUM

NET WEIGHT: 145 KG+/-5

GROSS WEIGHT: 153 KG+/-5

110 NEW STEEL DRUMS IN PER 20' FCL (15 METRIC TONS).

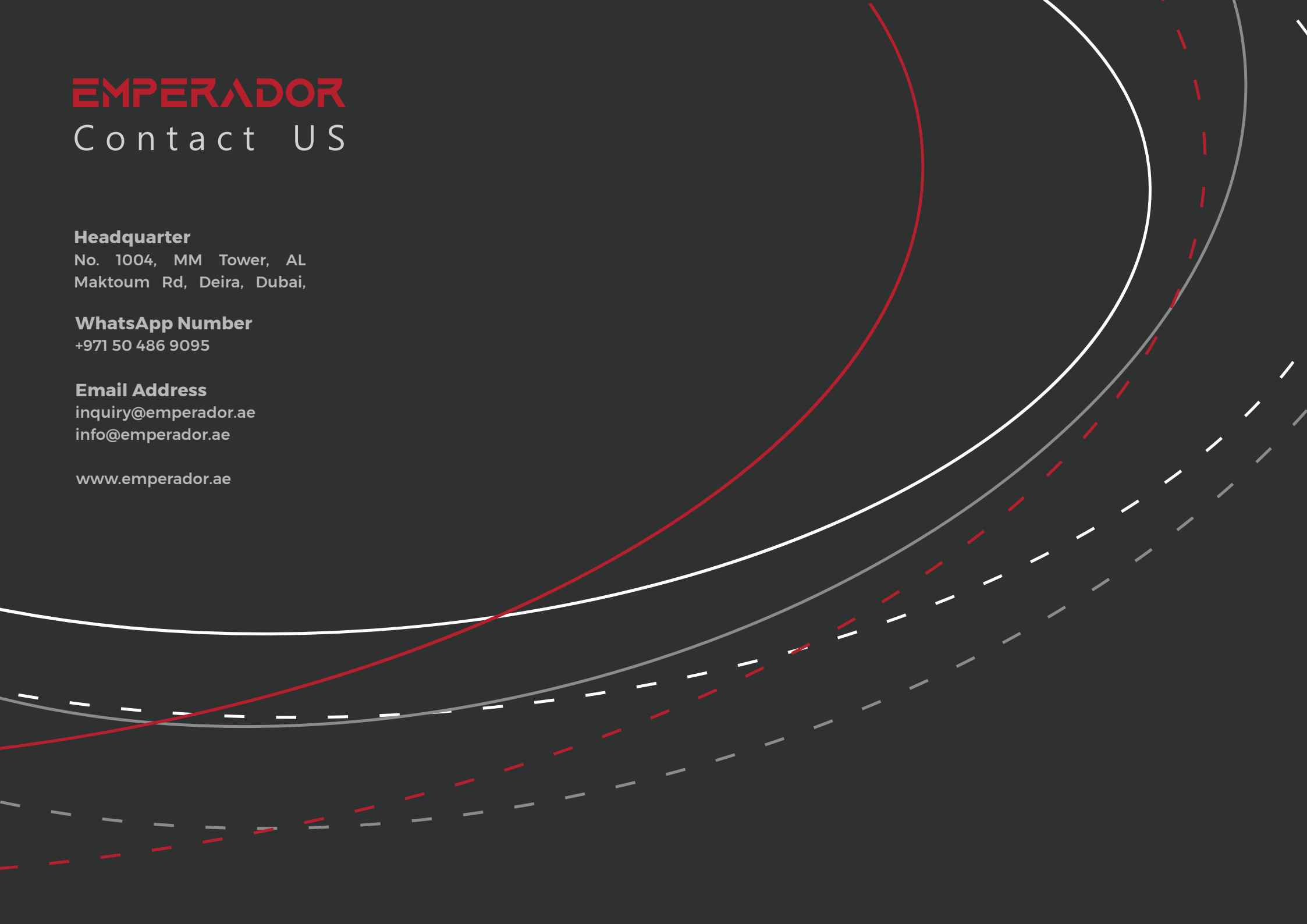
## CUT BACK BITUMEN:

GOOD RECONDITION DRUMS

NET WEIGHT: 190 KG+/-5

80 DRUMS IN PER 20' FCL (15 METRIC TONS).

- We have the flexibility to supply bitumen in accordance with your specific needs. Our company is outfitted with state-of-the-art facilities for both drum filling and storage.
- To maintain product quality and prevent contamination, each drum undergoes a meticulous quality control process. This is to ensure the high standard of our products.
- We offer standard packaging options in various sizes, including 150 Kg, 180 Kg, and 200 Kg.



# EMPERADOR

## Contact US

### Headquarter

No. 1004, MM Tower, AL  
Maktoum Rd, Deira, Dubai,

### WhatsApp Number

+971 50 486 9095

### Email Address

[inquiry@emperador.ae](mailto:inquiry@emperador.ae)

[info@emperador.ae](mailto:info@emperador.ae)

[www.emperador.ae](http://www.emperador.ae)