



Bitumen refinery of Iran Ertebat engineering company was established in 2007 in a 9-hectare plant to produce different types of bitumen.

After several years of producing high-quality products that have been known in Iran's market, we have been determined to take a major step to enter the international markets by increasing the production capacity. By design and fabrication of two aeration reactors, continuous and discontinuous, with the production capacity of at least 27,000 tons of different grades of bitumen per month, this company can currently provide a considerable part of Iran's bitumen production beyond the national and international standards.

- **Vision:** Producing & trading different types of standard bitumen in local and international markets.
- **Mission:** Production and trade of various types of bitumen and other petroleum products according to the international standards by employing technical expertise and successful experiences, benefiting from competent workforces, and compliance with the environmental requirements so as to provide services based on the customer orientation.
- **Values:** Supplying domestic needs as well as successful presence in the international markets by producing supreme quality products based on EFQM model.



Penetration Grade Bitumen

This type of bitumen is classified according to its degree of permeability based on the related standards. Penetration bitumen is mostly applied in road construction industry. Our company produces various types of this grade of bitumen including: 30/40, 40/50, 60/70, 80/100, 85/100, 100/150, 160/220, 200/300

Performance Grade Bitumen (PG)

Performance bitumen is provided according to the temperature conditions of different regions by using the world's most updated standard method. In this type of bitumen the degree of efficiency and functionality is defined based on standard which is fully in compliance with temperature and environmental conditions.

Different types of this grade of bitumen based on the high degree of performance are: PG46, PG52, PG58, PG64, PG70, PG76

Viscosity Grade Bitumen (VG)

Classification of this bitumen is determined according to its absolute viscosity at 60°C in poise and Kinematic viscosity at 130°C in centistokes. Different types of bitumen in this category are: VG10, VG20, VG30, VG40

Bitumen Emulsion

This product is formed from a mixture of bitumen, water and emulsifiers. Emulsions are significantly suitable to prevent environmental contaminations and thus it is known as the eco-friendly bitumen. It is classified into two groups of Cationic and Anionic emulsions. Regarding the breakdown point and setting time, it is divided into three groups of rapid setting (RS), medium setting (MS) and slow setting (SS). Bitumen refinery of Iran Ertebat engineering company will meet the needs of customers by using the most updated and advanced equipment for production of this type of bitumen.

Modified Bitumen

This type of bitumen is produced and presented mainly as modified or oxidized bitumen based on the customers' request and with specific features for definite applications.



Bitumen Production

This unit includes two separate reactors to produce bitumen and has been designed and fabricated using up-to-date European technology. The first reactor has a capacity of discontinuously producing 200 tons per day while the second one has a capacity of producing 800 tons per day continuously. These two reactors provide the possibility for the company to produce an aggregate of 6,000 bitumen drums per day.



Quality Control

With the purpose of customer satisfaction, the refinery of Iran Ertebat Engineering company has been equipped by an advanced laboratory with the latest facilities in the field of bitumen production test, benefiting from experiences of expert staff. By complying and possessing the Laboratory Accreditation Certificate (ISO/IEC 17025), our laboratory assures the quality control over all stages of our production along with supervisory and controlling the quality of the produced bitumen.



HSE

The HSE unit of bitumen refinery was founded simultaneously with the launch of the first refinery phase in 2007. As a paramount priority, this company has put a great value on considering health, safety and environment by developing the occupational health and safety system (OHSAS: 180001) as well as the environmental management system (ISO: 14001).

Barrel Manufacturing

Bitumen refinery of Iran Ertebat engineering company is equipped with a barrel production line with the capacity of 6,000 barrels per day and a fully automated electrostatic coating line, which are in compliance with up-to-date standards. This unit is capable of producing two types of 150 kg & 180 kg drums. The quality control unit evaluates the quality of manufactured barrels from the very beginning of the entry of the steel sheets to final stages of manufacturing. This unit employs different approaches to guarantee the quality of manufacture including engraving the logo and the name of the company on the barrel lids or printing a tracking code on the body of the drums.



Barrel	150 kg	180 kg
Thickness (mm)	0.6	0.6
Height (mm) ± 30	830	980
Diameter (mm) ± 30	500	500
Net weight of the barrel (kg) ± 0.2	8.3	9.6
Pure bitumen weight (kg) ± 3	148	180
Bitumen weight with barrels (kg) ± 3	160	190



Loading

Bulk loading is carried out by two separate platforms in this unit with a daily capacity of 1,000 tons of different types of bitumen and 3,000 drums. Furthermore, the weighing unit of this complex includes a 60-ton weighbridge which operates in correspondence with the calibration of the Institute of Standards and Industrial Research of Iran.

Research & Development

This unit comprises sophisticated experts as well as advanced facilities with the aim to improve the production process, propose production of new products, provide modern packing and logistics, and propose the optimum production formulation.

Certificates



By adhering to organizational commitments, keeping the values, efforts and teamwork and emphasizing on accurate planning to increase the quality of products, this company has the following certificates:

- European Conformity (CE 1922-CPR-0296)
- Environmental Management Systems (ISO 14001:2015)
- Occupational Health and Safety Management Systems (OHSAS 18001: 2007)
- Petroleum, Petrochemical and Natural Gas Industries Quality Management Systems (ISO\TS 29001:2010)
- Health, Safety and Environmental Management System (HSE-MS)
- Quality Management Systems (ISO 9001:2015)
- Guidelines of Projects Management (ISO 21500:2012)
- Guidelines for Quality Management in Projects (ISO 10006:2003)
- Customer Satisfaction, Guidelines for Monitoring and Measuring (ISO 10004:2012)
- Customer Satisfaction, Guidelines for complains handling in organization (ISO 10002:2014)
- Iranian HSE, Approved by the "Institute of Standards & Industrial Research of Iran ISIRI"
- Operation License
- Laboratory Accreditation Certificate (ISIRI-ISO/IEC 17025)

