



TECHNICAL DATA SHEET (TDS)

Oxidized Bitumen 115/25

Blown Bitumen 115/25 | Air Blown Bitumen 115/25

1. Product Description

Oxidized Bitumen 115/25 is a high-performance petroleum-based bituminous material manufactured by controlled air blowing of selected penetration-grade bitumen. During the oxidation process, air reacts with hot bitumen to increase hardness, softening point, thermal stability, and resistance to environmental conditions.

This grade is also known as **Blown Bitumen 115/25**, **Air Blown Asphalt 115/25**, or **Oxidized Asphalt 115/25**. It is designed for industrial applications requiring strong adhesion, waterproofing performance, and long-term durability.

2. Product Identification

Item	Description
Product Name	Oxidized Bitumen 115/25
Alternative Names	Blown Bitumen 115/25, Air Blown Bitumen 115/25
Product Type	Oxidized Petroleum Bitumen
Chemical Family	Petroleum Hydrocarbon Product
Physical Form	Solid
Color	Black
Odor	Mild petroleum odor
Application	Roofing, waterproofing, pipe coating, industrial uses



3. Technical Specifications

Property	Test Method	Typical Value
Softening Point	ASTM D36	110 – 120 °C
Penetration @ 25°C	ASTM D5	20 – 30 dmm
Ductility @ 25°C	ASTM D113	Min. 1 cm
Specific Gravity @ 25°C	ASTM D70	1.00 – 1.10
Flash Point	ASTM D92	≥ 250 °C
Solubility in CS ₂	ASTM D4	≥ 99%
Loss on Heating	ASTM D6	≤ 0.2%
Ash Content	ASTM D2415	≤ 0.5%
Heating Temperature Range	—	180 – 220°C
Appearance	Visual	Black solid blocks

Specifications can be adjusted according to customer requirements and international standards.

4. Main Characteristics

- Excellent resistance to high temperatures
- Strong adhesion properties
- High mechanical stability
- Superior waterproofing performance
- Good chemical resistance
- Long service life
- Excellent weather resistance
- Suitable for industrial applications



5. Typical Applications

Roofing Materials

Used in:

- Roofing membranes
- Waterproof roofing systems
- Roof repair compounds
- Bituminous coatings

Waterproofing Systems

Suitable for:

- Underground waterproofing
- Foundation protection
- Tunnels
- Industrial waterproofing projects

Pipe Coating

Used for:

- Pipeline corrosion protection
- Protective coating systems
- Industrial pipe insulation

Industrial Applications

Common uses include:

- Sealants
- Adhesives
- Mastic compounds
- Expansion joint fillers
- Electrical insulation materials

Construction Applications

Applied in:



- Industrial flooring
- Asphalt modification
- Construction chemicals
- Protective coatings

6. Packaging Options

Oxidized Bitumen 115/25 is available in:

- 25 kg kraft bags
- 25 kg meltable bags
- Cartons
- Steel drums
- Jumbo bags
- Customized export packaging

Packaging can be customized according to destination country, shipping method, and customer requirements.

7. Storage Recommendations

- Store in a cool, dry, and covered area.
- Protect from moisture and direct contamination.
- Keep packages sealed until use.
- Avoid prolonged exposure to sunlight.
- Store away from incompatible chemicals.

When stored properly, the product maintains its quality for an extended period.