



TECHNICAL DATA SHEET

Oxidized Bitumen 90/15

Also referenced as: Oxidised Bitumen 90/15 | Bitumen 90/15 | Oxidized Asphalt 90/15 | Blown Bitumen 90/15

Manufacturer / Supplier	BASEKIM
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1. Product Description

Oxidized Bitumen 90/15 is a blown bitumen grade produced through controlled air oxidation of penetration-grade bitumen. The oxidation process raises the softening point and lowers penetration compared with standard paving bitumen, which results in a harder, more temperature-stable material. Manufacturers and contractors use this grade in applications that require thermal stability, cohesion, and resistance to flow.

2. Typical Applications

- Waterproofing membranes and protective coatings
- Roofing compounds and built-up roofing systems
- Protective pipe coatings
- Industrial sealants and joint fillers
- Industrial and protective coating formulations
- Select insulation and construction composite products

Confirm suitability for a specific application with a qualified engineer before use.

3. Typical Physical and Chemical Properties

Parameter	Typical Value	Test Method
Softening Point (Ring & Ball)	Typically 85–95°C	ASTM D36 / IP 58
Penetration (25°C, 100g, 5s)	Typically 10–20 (1/10 mm)	ASTM D5 / IP 49
Ductility (25°C)	[SPECIFICATION VALUE]	ASTM D113
Solubility in Trichloroethylene	Typically ≥ 99%	ASTM D2042
Specific Gravity (25°C)	Typically 1.00–1.05	ASTM D70
Flash Point (Cleveland Open Cup)	Typically ≥ 230°C	ASTM D92
Loss on Heating	[SPECIFICATION VALUE]	ASTM D6



Parameter	Typical Value	Test Method
Appearance	Dark brown to black solid	Visual

4. Packaging Options

Common industrial packaging formats used across the oxidized bitumen industry include:

- Kraft paper bags
- Poly bags
- Carton packaging
- Melting bags for direct use
- Steel drums
- Bulk packaging for large-volume orders

Confirm available packaging formats, net weights, and pallet configurations with the supplier before ordering.

5. Storage Recommendations

- Store in a cool, dry, well-ventilated area.
- Protect from direct sunlight and excessive ambient heat.
- Keep away from moisture and sources of contamination.
- Stack packaged material carefully to avoid deformation, particularly in warm climates.

6. Handling Precautions

Heated or molten bitumen can cause severe thermal burns. Use appropriate personal protective equipment during handling and application. Provide adequate ventilation when heating the product, since heated bitumen can release fumes. Refer to the corresponding Safety Data Sheet (SDS) for complete handling and safety guidance before use.

7. Shelf Life

[INSERT SHELF LIFE / STORAGE PERIOD], when stored under the conditions described in Section 5 and in original, unopened packaging.



8. Disclaimer

This Technical Data Sheet provides general product information for Oxidized Bitumen 90/15. Typical values are based on common industry reference ranges for this grade and are not a substitute for the official, batch-specific Certificate of Analysis. The manufacturer/supplier should complete and verify all bracketed fields before this document is issued to customers.