

PETRO GOLD



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BURLINGTON TOWER,
BUSINESS BAY,DUBAI-UAE



Technical Data Sheet – Bitüm № 40

(Oxidized Bitumen / Blown Asphalt)

◆ General Description:

Bitüm № 40 is a **semi-solid oxidized bitumen**, manufactured by blowing hot air through penetration-grade bitumen under controlled conditions. It is commonly used in industrial applications where a **higher softening point** and **lower penetration** are required. This product is fully compliant with **ASTM D36, ASTM D5, and EN 13304**.



Technical Properties

Property	Unit	Test Method	Typical Value
Appearance	-	Visual	Black, hard, glossy
Penetration at 25°C	dmm	ASTM D5 / EN 1426	10 – 20
Softening Point (Ring & Ball)	°C	ASTM D36 / EN 1427	135 – 145
Specific Gravity @ 25°C	g/cm ³	ASTM D70	1.00 – 1.10
Flash Point (COC)	°C	ASTM D92	> 280
Solubility in Trichloroethylene	%	ASTM D2042	≥ 99.0
Loss on Heating (163°C, 5 hrs)	%	ASTM D6	< 0.5
Ductility @25°C	cm	ASTM D113	< 1
Ash Content	%	ASTM D3174	≤ 1.0
Water Content	%	ASTM D95	≤ 0.1
Acid Number	mg KOH/g	ASTM D664	≤ 2.0



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Brittleness Point (Fraass)	°C	EN 12593	< -5
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Main Applications

- Industrial roofing and waterproofing membranes
- Bitumen mastics and sealants
- Anti-corrosion pipe coatings
- Asphalt paints and lacquers
- Automotive undercoating
- Cable and electric insulation
- Production of bituminous panels

Packaging Options

- 25 kg PE bags
- 25 kg Kraft paper bags
- 180 kg steel drums
- 1 MT Jumbo bags
- Bulk in meltable PE liner bags
- Bulk delivery in thermal tankers

Storage and Handling

- Store in a dry, shaded area away from direct sunlight
- Do not heat above 230°C to avoid material degradation
- Use protective equipment when handling melted bitumen
- Keep away from open flames and sources of ignition

Quality & Certification



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- Complies with ASTM & EN specifications
- SGS / BV / Intertek inspection available
- Manufactured under ISO 9001 certified quality system
- Tested batch-by-batch with full QC documentation

