



Bitumen

PENETRATION · VISCOSITY · CUTBACK · MODIFIED

CATEGORY OVERVIEW

BITUMEN - ALL GRADES

A dedicated bitumen catalogue covering every grade family identified across the supplied materials and the wider commercial range requested.

Included products

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
Penetration Grades - Full Range	-	Included	Supplied portfolio
Paving Bitumen 60/70	-	Included	Supplied portfolio
Paving Bitumen 80/100	-	Included	Supplied portfolio
Viscosity Grades	-	Included	Supplied portfolio
Cutback Bitumen	-	Included	Supplied portfolio
Polymer-Modified Bitumen	-	Included	Supplied portfolio

PRODUCT SPECIFICATION

Penetration Grades - Full Range

Commercial paving bitumen grades consolidated from all supplied catalogues.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
40/50 penetration	0.1 mm	40-50; softening point typically 52-60°C	Typical commercial
50/70 penetration	0.1 mm	50-70; softening point typically 46-54°C	Typical commercial
60/70 penetration	0.1 mm	60-70; detailed sheet on next page	Supplier portfolio
70/100 penetration	0.1 mm	70-100; softening point typically 43-51°C	Typical commercial
80/100 penetration	0.1 mm	80-100; softening point typically 42-50°C	Typical commercial
85/100 penetration	0.1 mm	85-100; softening point typically 42-49°C	Typical commercial
100/120 penetration	0.1 mm	100-120; softening point typically 40-47°C	Typical commercial

Commercial notes

Typical ranges are commercial guidance only; the nominated origin standard and shipment COA govern.

Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

PRODUCT SPECIFICATION

Paving Bitumen 60/70

Detailed penetration-grade paving bitumen.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
Penetration at 25°C, 0.1 mm	dmm	65	BS EN 1426
Softening point (R&B;)	°C	48.3	BS EN 1427
Flash point	°C	Above 245	BS EN ISO 2592
Solubility in TCE	mass %	99.4	BS EN 12592
Ductility	cm	≥ 100	BS EN 13589
Kinematic viscosity at 135°C	cSt	303	BS EN 12595
Specific gravity	-	1.0549	Supplier sheet

Commercial notes

Representative supplied test values; shipment COA controls.

Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

PRODUCT SPECIFICATION

Paving Bitumen 80/100

Softer penetration-grade paving bitumen.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
Grade designation	Penetration	80/100	Supplier portfolio
Supply form	-	Bulk / drums by agreement	Commercial
Quality verification	-	Shipment COA	Commercial

Commercial notes

Detailed limits are confirmed for the selected origin and destination standard.

Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

PRODUCT SPECIFICATION

Viscosity Grades

Viscosity-graded paving bitumen range.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
VG10 viscosity at 60°C	Poise	800-1,200	Typical IS range
VG20 viscosity at 60°C	Poise	1,600-2,400	Typical IS range
VG30 viscosity at 60°C	Poise	2,400-3,600	Typical IS range
VG40 viscosity at 60°C	Poise	3,200-4,800	Typical IS range
Supply form	-	Bulk / drums by agreement	Commercial

Commercial notes

Final limits follow the nominated edition of the destination viscosity-grade standard.

Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

PRODUCT SPECIFICATION

Cutback Bitumen

Medium-curing cutback bitumen grades.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
MC30 kinematic viscosity at 60°C	cSt	30-60	ASTM D2027 grade range
MC70 kinematic viscosity at 60°C	cSt	70-140	ASTM D2027 grade range
MC250 kinematic viscosity at 60°C	cSt	250-500	ASTM D2027 grade range
MC800 kinematic viscosity at 60°C	cSt	800-1,600	ASTM D2027 grade range
MC3000 kinematic viscosity at 60°C	cSt	3,000-6,000	ASTM D2027 grade range

Commercial notes

Distillation fractions, residue penetration, ductility, solubility, water and flash point remain subject to the nominated standard and COA.

Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

PRODUCT SPECIFICATION

Polymer-Modified Bitumen

Polymer-modified paving binder grades.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
Product	-	Polymer-modified bitumen	Product portfolio
Grade	-	Project / destination specific	Commercial
Quality verification	-	Shipment COA	Commercial

Commercial notes

Performance grade, polymer system, elastic recovery and storage stability must be defined in the project specification.

Specification status

Consolidated from the supplied catalogues and test reports. The shipment-specific COA and signed contract specification take precedence.

COMMERCIAL ENQUIRIES

Request a firm offer and shipment COA.

State the product, grade, quantity, origin preference, delivery basis, destination, packaging, quality standard and inspection requirement.

PROPERTY	UNIT	SPECIFICATION / RESULT	METHOD / BASIS
Product / grade	-	Required	Commercial
Quantity	MT / litres	Required	Commercial
Incoterm	-	FOB / CFR / CIF / FCA	Commercial
Destination	-	Port / country	Commercial
Inspection	-	If required	Commercial

ENQUIRIES THROUGH OPHIR GATE

Mansour@ophirgate.com | ophirgate.com | +971 55 150 1994