 “LUKOIL Neftohim Burgas” JSC	COMPANY TECHNICAL SPECIFICATION	CTS 1 – 24
PAVING GRADE BITUMENS, PENETRATION 50/70		

1. Technical requirements and test methods

This specification is in accordance with the requirements of BDS EN 12591: 2009 - Table 1A and refers to bitumen for grades from 50 x 0,1 mm to 70 x 0,1 mm penetration.

№	Properties	Unit	Value		Test Method
			min	max	
1.	Penetration at 25 °C	0,1mm	50	70	BDS EN 1426
2.	Softening point	°C	46,0	54,0	BDS EN 1427
3.	Fraass breaking point ⁽¹⁾	°C	-	minus 8	BDS EN 12593
4.	Flash point ⁽¹⁾	°C	230	-	BDS EN ISO 2592
5.	Resistance to hardening, at 163 °C ⁽²⁾				EN 12607-1
	• change of mass (absolute value) ⁽³⁾	% (m/m)	-	0,5	
	• retained penetration	% (m/m)	50	-	BDS EN 1426
	• increase in softening point	°C	-	9	BDS EN 1427
6.	Solubility ⁽¹⁾	% (m/m)	99,0	-	BDS EN 12592
7.	Paraffin wax content ⁽⁴⁾	% (m/m)	-	2,2	BDS EN 12606-1

Notes:

- (1) The indices to be guaranteed by the manufacturer. Determined periodically, but not less than once per month.
 (2) The indices to be guaranteed by the manufacturer. Determined periodically, but not less than once per three months.
 (3) Change in mass can be either positive or negative.
 (4) The indice to be guaranteed by the manufacturer. Determined be made by client request at but not more than once per month..
 BDS - Bulgarian Standard.

2. Product description

Solid, black mass at normal temperature and dense, viscous one - over 120 °C.
 Coherent substance in construction works and road tarmac surfaces maintenance.

3. Method for production and sampling

- 3.1 Oxidation of heavy oil residue.
 3.2 Sampling procedure corresponds to BDS EN 58+A1.

Batch is the quantity of one kind or brand product, with same qualitative indices, produced by the same technologies, stored in one or more tanks and accompanied by a test document.


4. Storage

In isolated tanks at temperature over 120 °C.

5. Transportation and documents

- 5.1 By road tankcars.

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5.2 The product has UN № 3257 according to UNO (United Nations Organization).

5.3 Each shipment shall be accompanied by Quality Certificate of the test results according to point 1.

5.4 Each shipment shall be accompanied by Declaration of performance as required by Regulation (EU) № 305/2011 of the European parliament and of the Council.

5.5 Product SDS (Safety Data Sheet) is submitted to the user prior or at the time of first delivery.

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