



Declaration of Performance № PMB 002/14

1. Unique identification code of the product type: **Bitumen and bituminous binders**
Type: 50/70; 70/100; 100/150; 160/220
Information according to the labels on the packaging
2. Intended use/es:
Intended use in the construction and maintenance of roads, airfields and other paved areas
3. Manufacturer:
Limited Liability Company Gazpromneft Ryazan Bitumen Binders Plant,
Ryazhskoye shosse, 20z, Ryazan, Russian Federation
by order of
LLC «Gazpromneft-Bitumen Materials», 62A, 3rd line of Vasilievsky Island,
St.Petersburg, Russian Federation
4. System/s of AVCP:
System 2+
5. Harmonised standard:
Appendix ZA EN 12591:2009
6. Notified body/ies:
The registered certification authority for building products №1488 Building Research Institute Certification Department (Warsaw, Poland)
The issued certificate № 1488-CPR-0346/Z
7. Declared performance
Is given in Appendix 1

The performance of the product identified above is in conformity with the set of declared performance. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

M.V. Nakhodkin, General Director

At **LLC Gazpromneft RBBP** on 27.01.2016 /Updated 28.09.2016/



Performance characteristics of the bitumens

Substantial characteristics	Unit	Performance characteristics			Test method	Harmonized specification	
		50/70	70/100	100/150			160/220
Penetration at 25 °C	0,1mm	50-70	70-100	100-150	160-220	EN 1426	EN 12591:2009
Softening point	°C	46-54	43-51	39-47	35-43	EN 1427	EN 12591:2009
Resistance to hardening, at 163 °C						EN 12607-1 followed by	EN 12591:2009
-change of mass	%	≤ 0,5	≤ 0,8	≤ 0,8	≤ 1,0		
-retained penetration	%	≥ 50	≥ 46	≥ 43	≥ 37	EN 1426	
- increase in Softening point	°C	≤ 9	≤ 9	≤ 10	≤ 11	EN 1427	
Flash point	°C	≥ 230	≥ 230	≥ 230	≥ 220	EN ISO 2592	EN 12591:2009
Solubility in toluene	%	≥ 99,0	≥ 99,0	≥ 99,0	≥ 99,0	EN 12592	EN 12591:2009
Penetration index, minimum		-1,5	-1,5	-1,5	-1,5	Annex A of this standart	EN 12591:2009
Penetration index, maximum		0,7	0,7	0,7	0,7		
Dynamic viscosity at 60 °C	Pa·s	≥ 145	≥ 90	≥ 55	≥ 30	EN 12596	EN 12591:2009
Fraass Breaking point	°C	≤ -8	≤ -10	≤ -12	≤ -15	EN 12593	EN 12591:2009
Kinematic viscosity at 135 °C	Mm ² /s	≥ 295	≥ 230	≥ 175	≥ 135	EN 12595	EN 12591:2009
Regulated dangerous substances - Asphalt, oxidized (Bitumen, Paving Grade Bitumen, Road Bitumen)		Registration No 01-2119498270-36-0030, CAS-No 64742-93-4, EC-No 265-196-4					