



PRODUCT SPECIFICATION
Euro road bitumen 35/50

SP-029
Version 3.1
Date: 06.12.2022

I INFORMATION ON MANUFACTURER

Manufacturer: NIS a.d. NOVI SAD
REFINING BLOCK - Oil Refinery Pančevo
Spoljnostarčevačka 199
Pančevo
Serbia
Phone: +381 13 324 324

website: www.nis.eu

II PRODUCT NAME EURO ROAD BITUMEN 35/50

III DESCRIPTION OF TECHNOLOGICAL PROCESS

Euro road bitumen 35/50 is produced from vacuum residue which is, if it is necessary, on bitumen unit by the oxidation (specific process of “blowing air”) at the specified temperature and under the specified pressure converted into road bitumen.

IV PRODUCT USE

Euro road bitumen 35/50 is applied in road maintenance for road making.

V PRODUCT QUALITY AND COMPOSITION

Product Specification for Euro road bitumen 35/50 was made in accordance with Standard EN 12591:2009.

Property	Unit of Measure	Acceptance Criteria	Testing Method
		35/50	
Penetration at 25 °C***	(1/10)mm	35-50	SRPS EN 1426 EN 1426
Softening point	°C	50-58	SRPS EN 1427 EN 1427
Flash point*	°C	≥240	SRPS EN ISO 2592 EN ISO 2592

Solubility*	%	≥99,0	SRPS EN 12592 EN 12592
Penetration index*		-1,5 do +0,7	EN 12591 (Annex A)
Dynamic viscosity at 60°C*	Pa·s	≥225	SRPS EN 12596 EN 12596
Fraass breaking point	°C	≤-5	SRPS EN 12593 EN 12593
Kinematic viscosity at 135°C*	mm²/s	≥370	SRPS EN 12595 EN 12595
Density**	kg/m³	to be reported	SRPS EN 15326 EN 15326
Resistance to hardening at 163°C			SRPS EN 12607-1 EN 12607-1 followed by SRPS EN 1427 EN 1427 SRPS EN 1426 EN 1426
Retained penetration	%	≥55	
Increase in softening point	°C	≤8	
Softening point after hardening	°C	≥52	
Change of mass	%	≤0,5	

Note * - testing is done on quarterly basis

Note ** - testing is done on buyers request

Note *** - 100g, 5s

VI TRANSPORT

UN number: 3257

Euro road bitumen 35/50 is dispatched and transported by tank trucks and rail tank cars.

Minimal temperature of road bitumen 35/50 during tank trucks filling should be 180 °C.

Prevent bitumen from coming into contact with water.

Euro road bitumen 35/50 dispatch is possible in cold state in containers. Bitumen temperature in containers during dispatch is bellow 100 °C. In this case bitumen is not classified as dangerous substance.

VII HANDLING AND STORAGE

Instructions on safety precautions for handling, storage and in case of an accident are stated in Safety Data Sheet (SDS).