

Signatory to the EA Multilateral Agreement in this field.

ORDER
№ A 296
Sofia, 23.09.2026

Pursuant to Art. 10, para. 2a of Law on National Accreditation of Conformity Assessment Bodies, item 5.3.1 in connection with a change in an element of the content of the certificate in accordance with item 4.3.8 of the Accreditation Procedure BAS QR 2 and order of EA BAS reg. No. A 295/23.09.2026

I, HEREBY AMEND

Certificate of Accreditation reg. No. 29 ЛИ/01.09.2026, valid until 31.10.2027, and the annex thereto, order reg. No. A 284/01.09.2026 to

PATNA KOMPANIYA EAD
ROAD CONSTRUCTION LABORATORY

Address of management:

1606 Sofia, 9 “Lyulin Planina” St

Address of the laboratory premises:

Stationary office: 2140 Botevgrad, 44 “Tsar Ivan Shishman” St;

Mobile office: 2140 Botevgrad, 44 “Tsar Ivan Shishman” St

I. STATIONARY OFFICE

To carry out testing of:

Type of scope: flexible**			
No.	Name of the tested products	Type of test / characteristic	Test methods (standard / validated)
1	2	3	4
1.	Aggregates: - aggregates for concrete (1); - for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas (2); - for railway ballast prism /crushed stone for railway lines/ (3); - fine filler (4)	1.1. Particle size distribution	БДС EN 933-1 (1,2,3,4)
		1.2. Fines content	БДС EN 933-1 (1,2,3)
		1.3. Overall flakiness index	БДС EN 933-3 (1,2,3)
		1.4. Shape index	БДС EN 933-4 (1,2,3)
		1.5. Percentage of: - crushed particles; - totally crushed particles; - totally rounded particles;	БДС EN 933-5 (1,2)
		1.6. Sand equivalent	БДС EN 933-8+A1 (1,2)
		1.7. Methylene blue value	БДС EN 933-9 (1,2,4)
		1.8. Resistance to wear - “micro-Deval” coefficient	БДС EN 1097-1 (1,2,3)
		1.9. Resistance to fragmentation - “Los Angeles” coefficient	БДС EN 1097-2 (1,2,3)
		1.10. Loose bulk density	БДС EN 1097-3 (1,2,3)
		1.11. Percentage of voids	БДС EN 1097-3 (1,2)
		1.12. Water content	БДС EN 1097-5 (1,2,3,4)
		1.13. Particle density: - apparent particle density; - oven-dried particle density; - saturated and surface-dried particle density; - pre-dried particle density;	БДС EN 1097-6, Wire basket method (1,2,3), Pyknometer method (1,2), Annex A (1,2)
		1.14. Particle density of coarse aggregates saturated to constant mass	БДС EN 1097-6, Annex B (3)
		1.15. Water absorption	БДС EN 1097-6, Wire basket method (1,2,3), Pyknometer method (1,2), Annex B (3)
		1.16. Particle density	БДС EN 1097-7 (4)

Type of scope: flexible**			
No.	Name of the tested products	Type of test / characteristic	Test methods (standard / validated)
1	2	3	4
		1.17. Percentage loss of mass after freeze-thaw cycling	БДС EN 1367-1 (1,2,3); БДС EN 13450+AC, Annex F (3)
		1.18. Loss of strength after freeze-thaw cycling	БДС EN 1367-1, Annex B (3)
		1.19. Magnesium sulfate value (loss of mass in the magnesium sulfate test - frost resistance)	БДС EN 1367-2 (1,2,3); БДС EN 13450+AC, Annex G (3)
		1.20. Signs of disintegration "Sonnenbrand"	БДС EN 1367-3; БДС EN 1367-3/AC (3)
		1.21. Percentage loss of mass of basalt after boiling	БДС EN 1367-3; БДС EN 1367-3/AC (3)
		1.22. Loss of strength of basalt after boiling	БДС EN 1367-3; БДС EN 1367-3/AC (3)
		1.23. Adhesion of aggregate to bitumen (degree of retention of the bitumen film)	БДС EN 12697-11 (2), Stripping by boiling method
		1.24. Crushing resistance	БДС EN 206+A2/NA, Annex NA.Q (1,2)
		1.25. Length of particles	БДС EN 13450+AC (3)
		1.26. Presence of organic components - humus	БДС EN 1744-1+A1, item 15.1 (1,2,3,4)
		1.27. Content of lightweight particles (lightweight contaminators)	БДС EN 1744-1+A1, item 14.2 (1,2,3,4)
		1.28. Water-soluble chloride content	БДС EN 1744-1+A1, item 7 (1,2,3,4), item 9 (1,2,3,4)
		1.29. Acid-soluble sulfate content: - expressed as SO ₃ ; - expressed as SO ₄	БДС EN 1744-1+A1, item 12 (1,2,3,4)
		1.30. Water-soluble sulfate content: - expressed as SO ₃ ; - expressed as SO ₄	БДС EN 1744-1+A1, item 10.1 (1,2,3,4)
		1.31. Total sulfur content	БДС EN 1744-1+A1, item 11.1 (1,2,3,4)
		1.32. Dissolved SiO ₂ content (alkali reactivity)	БДС 14851, item 8 (1)
2.	Fresh concrete	2.1. Slump	БДС EN 12350-2
		2.2. Density	БДС EN 12350-6
		2.3. Temperature	БДС EN 206+A2/NA, item 5.2.9
3.	Hardened concrete	3.1. Compressive strength	БДС EN 12390-3
		3.2. Frost resistance by direct freezing and thawing: - relative loss of mass; - relative loss of compressive strength	БДС EN 206+A2/NA, Annex NA.O, item NA.O.1
		3.3. Density	БДС EN 12390-7; БДС EN 12390-7/AC
		3.4. Frost resistance: - accelerated method by freezing and thawing in a sodium chloride solution; - relative loss of mass	БДС EN 206+A2/NA, Annex NA.O, item NA.O.2
		3.5. Frost resistance: - accelerated method by freezing and thawing in a sodium chloride solution; - decrease in the ultrasonic pulse velocity	БДС EN 206+A2/NA, Annex NA.O, item NA.O.2; БДС EN 12504-4
		3.6. Compressive strength of a core	БДС EN 12504-1; БДС EN 12504-1/AC; БДС EN 12390-3
4.	Bitumens and bituminous binders: - bitumen (1); - bitumen emulsion (2); - cut-back and fluxed bitumens (3)	4.1. Penetration	БДС EN 1426 (1)
		4.2. Softening point	БДС EN 1427 (1)
		4.3. Elastic recovery	БДС EN 13398 (1)
		4.4. Penetration of bitumen recovered from asphalt mixture	БДС EN 12697-3+A1; БДС EN 1426 (1)
		4.5. Softening point of bitumen recovered from asphalt mixture	БДС EN 12697-3+A1; БДС EN 1427 (1)
		4.6. Elastic recovery of bitumen recovered from asphalt mixture	БДС EN 12697-3+A1; БДС EN 13398 (1)

Type of scope: flexible**			
No.	Name of the tested products	Type of test / characteristic	Test methods (standard / validated)
1	2	3	4
		4.7. Resistance to hardening at 163 °C: change of mass	БДС EN 12607-1 (1)
		4.8. Resistance to hardening at 163 °C: retained penetration	БДС EN 12607-1; БДС EN 1426 (1)
		4.9. Resistance to hardening at 163 °C: change of the softening point	БДС EN 12607-1; БДС EN 1427 (1)
		4.10. Elastic recovery of the residue after loss of mass	БДС EN 12607-1; БДС EN 13398 (1)
		4.11. Storage stability. Difference in penetration between the upper and the lower layer	БДС EN 13399; БДС EN 1426 (1)
		4.12. Storage stability. Difference in the softening point between the upper and the lower layer	БДС EN 13399; БДС EN 1427 (1)
		4.13. Penetration of the recovered and stabilised binder	БДС EN 13074-1; БДС EN 13074-2; БДС EN 1426 (2,3)
		4.14. Softening point of the recovered and stabilised binder	БДС EN 13074-1; БДС EN 13074-2; БДС EN 1427 (2,3)
		4.15. Elastic recovery of the recovered and stabilised binder	БДС EN 13074-1; БДС EN 13074-2; БДС EN 13398 (2)
		4.16. Solubility	БДС EN 12592 (1,3)
		4.17. Fraass breaking point	БДС EN 12593 (1)
		4.18. Flash point	БДС EN ISO 2592 (1,3)
		4.19. Density	БДС EN 15326+A1 (1,3)
		4.20. Deformation energy by the force ductility method	БДС EN 13589 (1)
		4.21. Efflux time /viscosity/	БДС EN 12846-1 (2)
		4.22. Efflux time /viscosity/	БДС EN 12846-2 (3)
		4.23. Distillation characteristics: - total distillate at 360 °C; - % of the total distillate, fraction distilling at 225 °C; - % of the total distillate, fraction distilling at 260 °C; - % of the total distillate, fraction distilling at 315 °C	БДС EN 13358 (3)
		4.24. Appearance	БДС EN 1425 (2)
		4.25. Particle polarity	БДС EN 1430 (2)
		4.26. Binder residue after distillation	БДС EN 1431 (2)
		4.27. Residue on a 0,5 mm sieve	БДС EN 1429 (2)
		4.28. Storage stability	БДС EN 1429 (2)
		4.29. Adhesivity by water immersion	БДС EN 13614 (2)
		4.30. pH	БДС EN 12850 (2)
		4.31. Mixing stability with cement	БДС EN 12848 (2)
5.	Construction soils	5.1. Particle size distribution	БДС EN 933-1
		5.2. Fines content	БДС EN 933-1
		5.3. Overall flakiness index	БДС EN 933-3
		5.4. Shape index	БДС EN 933-4
		5.5. Percentage of: - crushed particles; - totally crushed particles; - totally rounded particles;	БДС EN 933-5
		5.6. Sand equivalent	БДС EN 933-8+A1
		5.7. Resistance to wear - "micro-Deval" coefficient	БДС EN 1097-1
		5.8. Resistance to fragmentation - "Los Angeles" coefficient	БДС EN 1097-2
		5.9. Loose bulk density	БДС EN 1097-3
		5.10. Percentage of voids	БДС EN 1097-3
		5.11. Particle density: - apparent particle density; - oven-dried particle density; - saturated and surface-dried particle density; - pre-dried particle density;	БДС EN 1097-6, Wire basket method, Pyknometer method, Annex A

Type of scope: flexible**			
No.	Name of the tested products	Type of test / characteristic	Test methods (standard / validated)
1	2	3	4
		5.12. Water absorption	БДС EN 1097-6, Wire basket method, Pyknometer method
		5.13. Magnesium sulfate value (loss of mass in the magnesium sulfate test - frost resistance)	БДС EN 1367-2
		5.14. Crushing resistance	БДС EN 206+A2/NA, Annex NA.Q
		5.15. Maximum dry density	БДС EN 13286-2; БДС 17146
		5.16. Optimum water content	БДС EN 13286-2; БДС 17146
		5.17. Compressive strength	БДС EN 13286-41
		5.18. California bearing ratio - CBR	БДС EN 13286-47
		5.19. Liquid limit	Ordinance of MRDPW No. ПД-02-20-2 of 28.08.2018 on road design, Annex No. 15
		5.20. Plastic limit	Ordinance of MRDPW No. ПД-02-20-2 of 28.08.2018 on road design, Annex No. 16
		5.21. Plasticity index	Ordinance of MRDPW No. ПД-02-20-2 of 28.08.2018 on road design, Annex No. 16
		5.22. California bearing ratio - CBR	Ordinance of MRDPW No. ПД-02-20-2 of 28.08.2018 on road design, Annex No. 17
		5.23. Bulk density by sand replacement (wet condition), dry density by sand replacement	Ordinance of MRDPW No. ПД-02-20-2 of 28.08.2018 on road design, Annex No. 18
		5.24. Degree of compaction	Ordinance of MRDPW No. ПД-02-20-2 of 28.08.2018 on road design, Annex No. 18 БДС 17146
		5.25. Water content	БДС EN ISO 17892-1/A1
		5.26. Bulk density (wet condition), dry density	БДС EN ISO 17892-2, Linear measurement method with a core tube
		5.27. Particle density	БДС EN ISO 17892-3, Fluid pycnometer method
		5.28. Particle size distribution	БДС EN ISO 17892-4
		5.29. Coefficient of permeability	БДС EN ISO 17892-11, Method with a rigid, cylindrical, hard-walled permeameter
		5.30. Liquid limit	БДС EN ISO 17892-12
		5.31. Plastic limit	БДС EN ISO 17892-12
		5.32. Plasticity index	БДС EN ISO 17892-12
		5.33. Uniformity coefficient	БДС EN 13242+A1/NA; БДС EN ISO 14688-2
		5.34. Coefficient of permeability of sand (fine aggregate)	БДС 8497
		5.35. Elastic modulus under loading with a circular plate	БДС 15130
		5.36. Deformation moduli under loading with a circular plate	БДС 15130
		5.37. Ratio of the deformation moduli E2/E1 under loading with a circular plate	БДС 15130
		5.38. Presence of organic components - humus	БДС EN 1744-1+A1, item 15.1
		5.39. Water-soluble chloride content	БДС EN 1744-1+A1, item 7 and item 9
		5.40. Water-soluble sulfate content: - expressed as SO ₃ ; - expressed as SO ₄	БДС EN 1744-1+A1, item 10.1
		5.41. Total sulfur content	БДС EN 1744-1+A1, item 11.1
		5.42. Acid-soluble sulfate content: - expressed as SO ₃ ; - expressed as SO ₄	БДС EN 1744-1+A1, item 12
		5.43. Workability period	БДС EN 13286-45, item 5, Delayed compaction method
6.	Asphalt mixtures (1); Asphalt mixtures - pavements (2)	6.1. Soluble binder content	БДС EN 12697-1 (1)
		6.2. Particle size distribution	БДС EN 12697-2 (1)
		6.3. Maximum density	БДС EN 12697-5 (1)
		6.4. Bulk density	БДС EN 12697-6 (1)
		6.5. Air voids content	БДС EN 12697-8 (1)

Type of scope: flexible**			
No.	Name of the tested products	Type of test / characteristic	Test methods (standard / validated)
1	2	3	4
		6.6. Voids in the mineral aggregate	БДС EN 12697-8 (1)
		6.7. Voids filled with binder	БДС EN 12697-8 (1)
		6.8. Degree of compaction	БДС EN 12697-9* (2)
		6.9. Bulk density: - initial bulk density (core); - conventional reference density	БДС EN 12697-9*; БДС EN 12697-6 (2)
		6.10. Indirect tensile strength ratio (water sensitivity)	БДС EN 12697-12 (1)
		6.11. Temperature	БДС EN 12697-13 (1), Contact thermometer method
		6.12. Binder drainage	БДС EN 12697-18 (1), Schellenberg beaker method
		6.13. Indirect tensile strength	БДС EN 12697-23 (1)
		6.14. Dimensions of an asphalt test specimen: - height; - diameter	БДС EN 12697-29 (1)
		6.15. Stability	БДС EN 12697-34 (1)
		6.16. Conventional plasticity (flow)	БДС EN 12697-34 (1)
		6.17. Thickness of an asphalt layer	БДС EN 12697-36 (2), Destructive method
		6.18. Surface irregularity of the pavement	БДС EN 13036-7 (2)
7.	Waterproofing of concrete bridge decks and other concrete surfaces trafficked by vehicles	7.1. Tensile strength	“Technical rules for the design and construction technology of the waterproofing of reinforced concrete road bridges” of the Roads Head Office (ГВП), 1997, Annex 1

To carry out sampling (specimens) from:

Type of scope: flexible**		
No.	Name of the product	Sampling method (standard / validated)
1	2	3
1.	Aggregates: - aggregates for concrete; - for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas; - for railway ballast prism /crushed stone for railway lines/; - fine filler; Construction soils	БДС EN 932-1
2.	Bitumens and bituminous binders	БДС EN 58 From permanently installed systems; With immersible equipment: - surface sampling vessel; - open tube (sampling thief); - vertical straight vessel; With split tubes; With hand tools; By coning and quartering.
3.	Asphalt mixtures	БДС EN 12697-27 From material loaded in a truck; From asphalt mastic during discharge from a mixing container; From material located around the auger of a paver; From workable material placed in heaps; From laid but not rolled material; From laid but not rolled material by strip cutting; From laid and compacted material by core cutting; From hopper/paver; From bitumen-coated material stored in heaps.
4.	Fresh concrete	БДС EN 12350-1
5.	Hardened concrete	БДС EN 12504-1 БДС EN 12504-1/AC

II. MOBILE OFFICE

To carry out testing of:

Type of scope: flexible**			
No.	Name of the tested products	Type of test / characteristic	Test methods (standard / validated)
1	2	3	4
1.	Aggregates: - aggregates for concrete (1); - for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas (2); - fine filler (3)	1.1. Particle size distribution	БДС EN 933-1 (1,2,3)
		1.2. Fines content	БДС EN 933-1 (1,2)
		1.3. Overall flakiness index	БДС EN 933-3 (1,2)
		1.4. Shape index	БДС EN 933-4 (1,2)
		1.5. Sand equivalent	БДС EN 933-8+A1 (1,2)
		1.6. Water content	БДС EN 1097-5 (1,2)
2.	Bitumens and bituminous binders - bitumen	2.1. Penetration	БДС EN 1426
		2.2. Softening point	БДС EN 1427
		2.3. Elastic recovery	БДС EN 13398
3.	- Asphalt mixtures (1); - Asphalt mixtures - pavements (2)	3.1. Soluble binder content	БДС EN 12697-1 (1)
		3.2. Particle size distribution	БДС EN 12697-2 (1)
		3.3. Maximum density	БДС EN 12697-5 (1)
		3.4. Bulk density	БДС EN 12697-6 (1)
		3.5. Air voids content	БДС EN 12697-8 (1)
		3.6. Degree of compaction	БДС EN 12697-9* (2)
		3.7. Bulk density: - initial bulk density (core); - conventional reference density	БДС EN 12697-9*; БДС EN 12697-6 (2)
		3.8. Temperature	БДС EN 12697-13 (1), Contact thermometer method
		3.9. Dimensions of an asphalt test specimen: - height; - diameter	БДС EN 12697-29 (1)
		3.10. Stability	БДС EN 12697-34 (1)
		3.11. Conventional plasticity (flow)	БДС EN 12697-34 (1)
		3.12. Thickness of an asphalt layer	БДС EN 12697-36 (2), Destructive method
4.	Fresh concrete	4.1. Slump	БДС EN 12350-2
		4.2. Temperature	БДС EN 206+A2/NA, item 5.2.9
5.	Construction soils	5.1. Particle size distribution	БДС EN 933-1
		5.2. Fines content	БДС EN 933-1
		5.3. Overall flakiness index	БДС EN 933-3
		5.4. Shape index	БДС EN 933-4
		5.5. Percentage of: - crushed particles; - totally crushed particles; - totally rounded particles;	БДС EN 933-5
		5.6. Sand equivalent	БДС EN 933-8+A1
		5.7. Water content	БДС EN 1097-5; БДС EN ISO 17892-1+A1
		5.8. Particle density: - apparent particle density; - oven-dried particle density; - saturated and surface-dried particle density; - pre-dried particle density;	БДС EN 1097-6, Wire basket method, Pyknometer method, Annex A
		5.9. Maximum dry density	БДС EN 13286-2, Method using mould A, Method using mould B; БДС 17146, Method using mould H100, Method using mould H150

Type of scope: flexible**			
No.	Name of the tested products	Type of test / characteristic	Test methods (standard / validated)
1	2	3	4
		5.10. Optimum water content	БДС EN 13286-2, Method using mould A, Method using mould B; БДС 17146, Method using mould H100, Method using mould H150
		5.11. California bearing ratio - CBR	БДС EN 13286-47
		5.12. Uniformity coefficient	БДС EN 13242+A1/NA
		5.13. Liquid limit	Ordinance of MRDPW No. ПД-02-20-2 of 28.08.2018 on road design, Annex No. 15
		5.14. Plastic limit	Ordinance of MRDPW No. ПД-02-20-2 of 28.08.2018 on road design, Annex No. 16
		5.15. Plasticity index	Ordinance of MRDPW No. ПД-02-20-2 of 28.08.2018 on road design, Annex No. 16
		5.16. Bulk density by sand replacement (wet condition), dry density by sand replacement	Ordinance of MRDPW No. ПД-02-20-2 of 28.08.2018 on road design, Annex No. 18
		5.17. Degree of compaction	Ordinance of MRDPW No. ПД-02-20-2 of 28.08.2018 on road design, Annex No. 18 БДС 17146
		5.18. Elastic modulus under loading with a circular plate	БДС 15130
		5.19. Deformation moduli under loading with a circular plate	БДС 15130
		5.20. Ratio of the deformation moduli E2/E1 under loading with a circular plate	БДС 15130

To carry out sampling (specimens) from:

Type of scope: flexible**		
No.	Name of the product	Sampling method (standard / validated)
1	2	3
1.	Aggregates: - aggregates for concrete; - for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas; - fine filler; Construction soils	БДС EN 932-1
2.	Bitumens and bituminous binders	БДС EN 58 From permanently installed systems; With immersible equipment: - surface sampling vessel; - vertical straight vessel; With hand tools; By coning and quartering.
3.	Asphalt mixtures	БДС EN 12697-27, From material loaded in a truck; From asphalt mastic during discharge from a mixing container; From material located around the auger of a paver; From workable material placed in heaps; From laid but not rolled material by strip cutting; From laid and compacted material by core cutting; From hopper/paver; From bitumen-coated material stored in heaps;
4.	Fresh concrete	БДС EN 12350-1

* withdrawn without replacement regarding the test method

Flexible scope:

** The introduction of a new version of standards or standards that replace them is allowed. The laboratory maintains an up-to-date list of standards with their dated versions.

Reference:

1. Annex No. 15 to Art. 160, item 3 of Ordinance No. ПД-02-20-2/28.08.2018 on road design: Method for determining the liquid limit of soils.

2. Annex No. 16 to Art. 160, item 3 of Ordinance No. ПД-02-20-2/28.08.2018 on road design: Method for determining the plastic limit of soils and the plasticity index of soils.
3. Annex No. 17 to Art. 161 and Art. 162 of Ordinance No. ПД-02-20-2/28.08.2018 on road design: Method for determining the California bearing ratio of soil (CBR).
4. Annex No. 18 to Art. 168, para. 1 of Ordinance No. ПД-02-20-2/28.08.2018 on road design: Method for determining the in-place density of construction soils by the sand replacement method.
5. “Technical rules for the design and construction technology of the waterproofing of reinforced concrete road bridges” of the Roads Head Office (ГУП): ТИПТИХСПМ:1997, Annex 1.

I ORDER

The issuance of a Certificate of Accreditation with reg. № 29 ЛИ dated 23 September 2026, valid until 31 October 2027, with the present Order attached as an integral part thereof.

The Certificate of Accreditation together with the annex are to be received by the Executive Director/representative of PATNA KOMPANIYA EAD, the Head of the Road Construction Laboratory at PATNA KOMPANIYA EAD or another authorized person in the building of EA BAS.

Upon the receipt of the issued certificate and the annex, the accredited body shall be obliged to return to EA BAS the original copies of Certificate of Accreditation reg. No. 29 ЛИ/31.10.2023, valid until 31 October 2027, and the annex thereto, accreditation order No. A 455/31.10.2023.

The present Order is to be communicated to PATNA KOMPANIYA EAD within 3 (three) days as of its issuance.

Eng. Maria Ilieva-Yordanova /sgd. ill./

Executive Director of Executive Agency “Bulgarian Accreditation Service”

Official round seal of the Executive Agency “Bulgarian Accreditation Service”, Republic of Bulgaria

Pages from 2 to 12 of the Order bear a rectangular seal, reading: Only the original document is valid.