



Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 336

Sofia, 31.10.2025

Pursuant to Art. 10, para. 1, items 3 and 4, Art. 28, Art. 30, para. 1 of the Law on National Accreditation of Conformity Assessment Bodies and items 6 and 7 of BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. № 170/236 ЛИ/ПА/РО/04.03.2025, assessment report reg № 170/236 ЛИ/4/В/10.07.2025 and statement of the Accreditation Commission reg. № 170/236 ЛИ/ПА/РО/11/В/08.10.2025, I hereby

RE-ACCREDIT AND EXTEND THE SCOPE OF ACCREDITATION

**PATINJENERING AD
ROAD CONSTRUCTION LABORATORY**

Management address: 7000 Ruse, 14 Olimpi Panov Str, Complex Evas, Entr. C, Floor 4
Laboratory address: 7000 Ruse, Sredna Kula District, 22 Morava Str.

To perform testing of:

Type of the scope: flexible*			
№	Tested products	Type of test/ characteristics	Methods of testing (standardised / validated)
1	2	3	4
1.	Asphalt mix	1.1. Bulk density of asphalt mix	БДС EN 12697-6
		1.2. Maximum density of asphalt mix	БДС EN 12697-5, Method A, Method B
		1.3. Air voids content	БДС EN 12697-8
		1.4. Soluble binder content	БДС EN 12697-1 Annex B, cl. B.2.1
		1.5. Particle size distribution	БДС EN 12697-2
		1.6. Marshall test – stability	БДС EN 12697-34
		1.7. Marshall test – conditional plasticity	БДС EN 12697-34
		1.8. Temperature of the asphalt mix	БДС EN 12697-13, cl. 4.1

Type of the scope: <i>flexible</i> *			
Nº	Tested products	Type of test/ characteristics	Methods of testing (standardised / validated)
1	2	3	4
2.	Asphalt pavements	2.1. Thickness of an asphalt pavement	БДС EN 12697-36, cl. 6.1
		2.2. Compaction rate	БДС EN 12697-9**
		2.3. Bulk density of asphalt specimen (core)	БДС EN 12697-6
		2.4. Longitudinal road pavement evenness	ASTM E950
		2.5. Bearing capacity of the pavement structure, expressed as: - deflection - modulus of elasticity	БДС 15131
3.	Rock materials:	3.1. Granulometric content / fine fraction content	БДС EN 933-1
		3.2. Form coefficient	БДС EN 933-4
		3.3. Loose bulk density and voids - loose bulk density	БДС EN 1097-3
		3.4. Water content	БДС EN 1097-5
		3.5. Particle density - visible grain density in the dry state - grain density in water-saturated surface dry content - gain density in dry content	БДС EN 1097-6, cl. 7, cl. 8, cl. 9, Annex A, A.3, A.4, Annex B
		3.6. Water absorption	БДС EN 1097-6, cl. 7, cl. 8, cl. 9, Annex B
		3.7. Maximum bulk density of the skeleton and optimum water content, Proctor method	БДС 17146, testing type H 150, M 150 БДС EN 13286-2, cl. 7.5
		3.8. California bearing ratio (CBR)	БДС EN 13286-47
		3.9. Bulk density in-place by the sand-cone method	AASHTO T 191 Ordinance № РД-02-20-2/ 28.08.2018 of the MRRB for road design, Annex 18
		3.10. Elastic and deformation module by	БДС 15130

Type of the scope: <i>flexible</i> *			
№	Tested products	Type of test/ characteristics	Methods of testing (standardised / validated)
1	2	3	4
		load with a round plate Ø300 - elastic module - deformation module - relation of the deformation modules E2/E1	
		3.11. Sand equivalent	БДС EN 933-8+A1
		3.12. Flat grain index	БДС EN 933-3
		3.13. Frostresistance. Magnesium sulfate method (MgSO4)	БДС EN 1367-2
		3.14. Degree of compaction	AASHTO T 191 Ordinance № РД-02-20-2/ 28.08.2018 of the MRRB for road design, Annex 18
4.	Mineral flour	4.1. Granulometric content / fine fraction content	БДС EN 933-1
		4.2. Water content	БДС EN 1097-5
5.	Bitumens and bituminous binders	5.1. Penetration	БДС EN 1426
		5.2. Softeningpoint	БДС EN 1427
		5.3. Affinity between aggregate and bitumen / degree of bitumen coating	БДС EN 12697-11, cl. 7
6.	Construction soils	6.1. Maximum bulk density of the skeleton and optimum water content, Proctor method	БДС 17146, testing type H 150, M 150 БДС EN 13286-2, cl. 7.5
		6.2. California bearing ratio (CBR)	БДС EN 13286-47
		6.3. Water content	БДС EN 1097-5
		6.4. Bulk density in-place by the sand-cone method	AASHTO T 191 Ordinance № РД-02-20-2/ 28.08.2018 of the MRRB for road design, Annex 18
		6.5. Elastic and deformation module by load with a round plate - elastic module - deformation module	БДС EN 15130

Type of the scope: flexible*			
№	Tested products	Type of test/ characteristics	Methods of testing (standardised / validated)
1	2	3	4
		- relation of the deformation modules E2/E1	
		6.6. Degree of compaction	AASHTO T 191 Ordinance № ПД-02-20-2/ 28.08.2018 of the MRRB for road design, Annex 18
		6.7. Liquid limit / plastic limit. Plasticity index.	Ordinance № ПД-02-20-2/ 28.08.2018 of the MRRB for road design Annex 16
		6.8. Yield strenght	Ordinance № ПД-02-20-2/ 28.08.2018 of the MRRB for road design, Annex 15
7.	Concrete and concrete mix	7.1. Compressive strength	БДС EN 12390-3
		7.2. Slump	БДС EN 12350-2

To perform sampling of:

Type of the scope: flexible*		
№	Products	Methods of sampling (standardised / validated)
1	2	3
1.	Asphalt mixtures for road surfaces; asphalt layers	БДС EN 12697-27, cl. 4.1, cl. 4.2, cl. 4.3, cl. 4.4, cl. 4.7
2.	Mineral flour	БДС EN 932-1
3.	Viscous petroleum bitumen	БДС EN 58, cl. 8.1, cl. 8.2
4.	Construction soils	БДС EN 932-1
5.	Rock materials	БДС EN 932-1

***Flexible Scope:** Implementing a new version of standards/documents or standards / documents replacing them is allowed. An updated list of standards/documents and their dated versions is provided by laboratory.

****Repealed but not replaced standard with regard to the testing method.**

References:

1. Annex № 15 to Art. 160, item 3 of Ordinance № ПД-02-20-2/28.08.2018 on Road Design: Method for Determination of the Liquid Limit Soils;
2. Annex № 16 to Art. 160, item 3 of Ordinance № ПД-02-20-2/28.08.2018 on Road Design: Method for Determination of the Plastic limit of Soils and the Plasticity Index of Soils;
3. Annex № 18 to Art. 160, item 3 of Ordinance № ПД-02-20-2/28.08.2018 on Road Design: Method for Determination of the Bulk Density of Constructions Soils in situ using Sand Replacement.

I ORDER

To issue the certificate of accreditation reg. № 236 ЛИ/31.10.2025 valid until 31.10.2029 and this order enclosed as an integral part of it.

The certificate of accreditation with the enclosure should be obtained from the director of Patinjenering AD, the head of the Road Testing Laboratory, or other authorized person in the office of EA BAS.

Upon receipt of the certificate issued and enclosure, the accredited person is obliged to return to EA BAS the originals of the certificate of accreditation reg. № 236 ЛИ/07.04.2023, valid until 01.11.2025 and an enclosure, EA BSA order № A 156/07.04.2023 as an integral part of it.

This order shall be notified to Road Testing Laboratory at Patinjenering AD within 3 (three) days from its issuance.

Eng. Mariya Ilieva-Yordanova

*Executive Director
of Executive agency Bulgarian accreditation service*

