



Republic of Bulgaria
Executive Agency
Bulgarian Accreditation Service



Signatory to the EA Multilateral Agreement in this field

ORDER

№ A 83

Sofia, 08.02.2023

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies, item 5.3.1 in connection with item 4.3.8. f) of the BAS QR 2 Accreditation Procedure, assessment report reg. № 42/62 ЛИ/46/В/14.12.2022, EA BAS order reg. № A 82/08.02.2023 and letter reg. № 42/62 ЛИ/2/Е/19.01.2023, I hereby

AMEND THE SCOPE OF ACCREDITATION

**of Build Lab Ltd.
Road construction testing laboratory**

Management address: 2163 Skravena, Proizvodstven Complex

Laboratory address: 2030 Kostenets, 4, Pchelinska Str.

To perform testing of:

Type of the scope: *flexible*

№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	4
1.	Additives, aggregates for road pavements, foundations and concrete	1.1 Particle size distribution	БДС EN 933-1
		1.2 Fine fraction content passing 0.063 mm sieve	БДС EN 933-1
		1.3. Weathering properties – Magnesium sulfate test	БДС EN 1367-2
		1.4. Particle density; - particle density determined after drying; - saturated-surface-dry (SSD) particle density	БДС EN 1097-6
		1.5. Water absorption	БДС EN 1097-6
		1.6 Affinity between aggregate and bitumen - boiling water stripping method	БДС EN 12697-11, cl. 7
		1.7. Shape index	БДС EN 933-4
		1.8. Determination of percentage of: - broken and crushed surface particles; - curved surfaces particles; - complete broken and crushed surface particles;	БДС EN 933-5 БДС EN 933-5/A1

Type of the scope: <i>flexible</i>			
№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	4
		- complete curved surfaces particles.	
		1.9. Loose bulk density	БДС EN 1097-3
		1.10. Water content	БДС EN 1097-5
		1.11. Crushing strength under static load	БДС EN 206+A2/NA Annex NA.Q
		1.12. Sand equivalent	БДС EN 933-8+A1
		1.13. Flakiness index	БДС EN 933-3
2.	Sand for road pavements, bituminous mixtures and concrete	2.1. Particle size distribution	БДС EN 933-1
		2.2. Loose bulk density	БДС EN 1097-3
		2.3. Particle density - absolute particle density; - particle density determined after drying; - saturated-surface-dry (SSD) particle density	БДС EN 1097-6
		2.4. Water content	БДС EN 1097-5
		2.5. Fine fraction content passing 0.063 mm sieve	БДС EN 933-1
		2.6. Weathering properties – Magnesium sulfate test	БДС EN 1367-2
		2.7. Water absorption	БДС EN 1097-6
		2.8. Sand equivalent	БДС EN 933-8+A1
3.	Mineral filler	3.1. Particle size distribution	БДС EN 933-1
		3.2. Water content	БДС EN 1097-5
4.	Bituminous mixtures	4.1. Bulk density of bituminous specimens	БДС EN 12697-6
		4.2. Max. density	БДС EN 12697-5
		4.3. Void characteristics	БДС EN 12697-8 cl. 4
		4.4. Soluble binder content	БДС EN 12697-1 Annex B, cl. B.2.1
		4.5. Determination of particle size distribution	БДС EN 12697-2+A1
		4.6. Stability by Marshall test method	БДС EN 12697-34
		4.7. Conditional ductility by Marshall test method	БДС EN 12697-34
		4.8. Temperature of asphalt mixture	БДС EN 12697-13
		4.9. Indirect tensile strength of bituminous specimens	БДС EN 12697-23
		4.10. Water sensitivity of bituminous specimens - Indirect tensile strength ratio	БДС EN 12697-12 (Method A)
5.	Bitumen for road construction	5.1. Penetration at 25°C	БДС EN 1426
		5.2. Softening point - Ring and Ball method	БДС EN 1427
		5.3. Elastic recovery at 25°C	БДС EN 13398
6.	Hardened concrete	6.1. Compressive strength	БДС EN 12390-3
		6.2. Frost resistance test - relative strength loss - relative mass loss	БДС EN 206+A2/NA (Annex NA.O, Part NA.0.1- basic method)
		6.3. Density	БДС EN 12390-7 cl. 6.1.2 6)

Type of the scope: <i>flexible</i>			
№	Tested Products	Type of Test/Characteristic	Testing methods (standard / validated method)
1	2	3	4
7.	Concrete mixtures	7.1. Slump test	БДС EN 12350-2
		7.2. Density	БДС EN 12350-6
8.	Building soils	8.1. Water content	БДС EN ISO 17892-1 БДС 1097-5
		8.2. Particle size distribution	БДС EN 933-1
		8.3. Liquid Limit	AASHTO T 89
		8.4. Plastic Limit	AASHTO T 90
		8.5. Plasticity Index	AASHTO T 90
		8.6. In-place density by sand replacement method. Degree of compaction	AASHTO T 191
		8.7. Reference density by Proctor at optimum water content	БДС EN 13286-2
		8.8. California bearing ratio	БДС EN 13286-47
9.	Earth and rock embankment dams and foundations	9.1. Modulus of elasticity under load by circular plate	БДС 15130
		9.2. Modulus of deformation under load by circular plate	БДС 15130
		9.3 E2/E1 Deformation modulus ratio under load by circular plate	БДС 15130
10.	Layered and compacted bituminous layers	10.1. Degree of compaction / Bulk density of bituminous specimens	БДС EN 12697-9* БДС EN 12697-6
		10.2. Thickness of bituminous layers	БДС EN 12697-36 cl. 6.1

To perform sampling of:

Type of the scope: <i>flexible</i>		
№	Products	Sampling methods (standard / validated method)
1	2	3
1.	Additives, aggregates for road pavements, foundations and concrete	БДС EN 932-1
2.	Mineral filler	БДС EN 932-1
3.	Bituminous mixtures; Layered and compacted bituminous layers	БДС EN 12697-27
4.	Bitumen for road construction	БДС EN 58
5.	Building soils	БДС EN 932-1
6.	Concrete mixtures	БДС EN 12350-1

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 the laboratory.

*БДС EN 12697-9:2004 - Repealed but not replaced standard with regard to the testing method.

I ORDER

To issue the certificate of accreditation reg. № 62 ЛИ/08.02.2023, valid until 10.06.2024 of Road construction testing laboratory Kostenets, at Build Lab Ltd. and this order as an integral part of it.

The Certificate of accreditation with the enclosure to be received by the Manager/ representative of Build Lab Ltd, the head of the Road construction testing laboratory Kostenets, at Build Lab Ltd, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the accredited person is obliged to return to EA BAS the originals of accreditation certificate № 62 ЛИ/12.01.2022 and its enclosure – EA BAS order reg. № А 19/12.01.2022.

This order shall be notified to Build Lab Ltd, within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS

