Republic of Bulgaria
Executive Agency
Bulgarian Accreditation Service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ А 41

Sofia, 23.01.2024

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies and item 5.3.1 in connection with amendment of an element of the certificate content, according to item 4.3.8. f) of the BAS QR 2 Accreditation Procedure, an open procedure reg. № 216/158 ЛИ/РО/24.08.2023, report reg. № 216/158 ЛИ/3/В/03.10.2023 and EA BAS order reg. № А 40/23.01.2024, I hereby

AMEND

EA BAS order ref. № А 288/18.07.2023

of Texnotest Ltd.
Construction testing laboratory

Management and laboratory address:
3000 Vratsa, 10, Aleko Konstantinov Str.

To perform testing of:

№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
1.	Aggregates /dense aggregates for concrete, sand for concrete, sand for construction mortars, sand for bituminous mixtures for use in road construction, aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas, aggregates for unbound and hydraulically bound materials for use in civil engineering work and road	1.1. Particle size distribution	БДС EN 933-1
		1.2. Shape index	БДС EN 933-4
		1.3 Percentage of: - crushed particles; - totally crushed particles; - totally rounded particles;	БДС EN 933-5
		1.4 Percentage of shell content	БДС EN 933-7
		1.5 Resistance to fragmentation – "Los Angeles" coefficient	БДС EN 1097-2
		1.6 Loose bulk density / Percentage of voids	БДС EN 1097-3
		1.7 Water content	БДС EN 1097-5
		1.8 Particle density	БДС EN 1097-7

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№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
	construction, aggregates for railway construction/	1.9 Water absorption	БДС 12159
		1.10 Resistance to wear – "micro-Deval" coefficient	БДС EN 1097-1
		1.11 Abrasion resistance	БДС EN 14157
		1.12 Magnesium sulfate value (Mass loss by testing with magnesium sulfate - resistance to frost)	БДС EN 1367-2
		1.13 Sand equivalent	БДС EN 933-8+A1
		1.14 Resistance to fragmentation	БДС EN 206+A2/NA, NA.Q
		1.15 Methylene blue value	БДС EN 933-9
		1.16 Particle density: - apparent particle density; - oven-dried particle density; - saturated and surface-dried particle density; - pre-dried particle density;	БДС EN 1097-6, cl. 7, cl. 8, cl. 9, Annex A
		1.17 Water absorption	БДС EN 1097-6, cl. 7, cl. 8, cl. 9, Annex B БДС EN 13755
		1.18 Compressive strength	БДС EN 1926
		1.19 Overall flakiness index	БДС EN 933-3
		1.20 Fines content	БДС EN 933-1
		1.21 Content of fine particles	БДС EN 933-1 БДС EN 13450+AC, cl. 6.4
		1.22 Particle's length	БДС EN 13450+AC, cl. 6.7
		1.23 Uniformity coefficient	БДС EN ISO 14688-2
2.	Fresh concrete	2.1 Slump	БДС EN 12350-2
		2.2 Density	БДС EN 12350-6
3.	Hardened concrete	3.1 Compressive strength	БДС EN 12390-3 БДС EN 12504-1
		3.2 Density	БДС EN 12390-7
		3.3 Water impermeability	БДС EN 206+A2/ NA, NA.N
		3.4 Resistance to frost /direct freezing and thawing/	БДС EN 206+A2/NA, NA.O.1
		3.5 Rebound number	БДС EN 12504-2
4.	Construction soils	4.1 Density in-place by the sand-cone method	AASHTO T191
		4.2 Water content	БДС 644* БДС EN ISO 17892-1 БДС EN ISO 17892-1/A1
		4.3 Specific gravity / Particle density	БДС 646* БДС EN ISO 17892-3, fluid pycnometer method
		4.4 Bulk density / Dry	БДС EN ISO 17892-2,

№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		density	linear method with cylindrical specimen
		4.5 Coefficient of pores	БДС EN ISO 14688-2
		4.6 Maximum bulk density of skeleton / Optimum water content	БДС 17146 /cl. 3.3.1 and cl. 3.3.2/ БДС EN 13286-2 /method A and B/
		4.7 Liquid limit / Plastic limit	БДС 648* БДС EN ISO 17892-12, MRDPW, Ordinance № РД-02-20-2, Annex №15**; MRDPW, Ordinance № РД-02-20-2, Annex №16**
		4.8 Compressive properties	БДС EN ISO 17892-5 БДС 8992*
		4.9 Direct shear strength	БДС 10188
		4.10 Coefficient of water permeability	БДС 8497, БДС EN ISO 17892-11, testing with rigid wall permeameter
		4.11 Particle size distribution	БДС EN 933-1 БДС EN ISO 17892-4
		4.12 Elastic module / Deformation modules / Deformation modules ratio	БДС 15130
		4.13 California bearing ratio - CBR	БДС EN 13286-47 MRDPW, Ordinance № РД-02-20-2, Annex № 17**
		4.14 Dynamic probing - penetration under the influence of a standard dynamic penetrometer-type light (DPL light)	БДС EN ISO 22476-2+A1
		4.15 Degree of compaction	AASHTO T191 MRDPW, Ordinance № РД-02-20-2, Annex № 18** БДС 17146
		4.16 Degree of water saturation	БДС 2761*, cl. 3.1.4
		4.17 Plasticity index	БДС 2761*, cl. 3.2.4 БДС EN ISO 17892-12, cl. 6.5; MRDPW, Ordinance № РД-02-20-2, Annex № 16**
		4.18 Consistency index	БДС 2761*, cl. 3.2.5 БДС EN ISO 17892-12, Annex B, cl. Bl.2

№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		4.19 Loose bulk density / Percentage of voids	БДС EN 1097-3
		4.20 Volume of macro-pores	БДС 2761*, cl. 2.8 БДС 14783
		4.21 Particle density: - apparent particle density; - oven-dried particle density; - saturated and surface-dried particle density; pre-dried particle density;	БДС EN 1097-6, cl. 7, cl. 8, cl. 9, Annex A
		4.22 Water absorption	БДС EN 1097-6, cl. 7, cl. 8, cl. 9, Annex B
		4.23 Fines content	БДС EN 933-1
		4.24 Sand equivelent	БДС EN 933-8+A1
		4.25 Resistance to wear - "micro-Deval" coefficient	БДС EN 1097-1
		4.26 Resistance to fragmentation - "Los Angeles" coefficient	БДС EN 1097-2
		4.27 Bulk density by the sand replacement method / Bulk density if skeleton by the sand replacement method	MRDPW, Ordinance № РД-02-20-2, Annex №18**
5.	Bituminous mixtures	5.1 Bulk density /initial bulk density, reference bulk density/	БДС EN 12697-6
		5.2 Maximum bulk density	БДС EN 12697-5
		5.3 Compaction degree	БДС EN 12697-9*
		5.4 Stability / Flow	БДС EN 12697-34
		5.5 Soluble binder content	БДС EN 12697-1
		5.6 Particle size distribution	БДС EN 12697-2+A1
		5.7 Indirect tensile strength ratio (Water sensibility)	БДС EN 12697-12
		5.8 Air voids content	БДС EN 12697-8
		5.9 Temperature	БДС EN 12697-13
		5.10 Dimensions of a bituminous specimen: - height; - diameter;	БДС EN 12697-29
		5.11 Thickness of a bituminous layer	БДС EN 12697-36 destructive measurement
		5.12 Indirect tensile strength	БДС EN 12697-23
		5.13 Irregularity of pavement's surface	БДС EN 13036-7
6.	Flexible sheets for	6.1 Bond strength	БДС EN 13596

№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
	waterproofing. Waterproofing of concrete bridge decks and other concrete surfaces trafficable by vehicles		TRDTCWRCB, Annex 1**

To perform sampling of:

№	Product	Sampling methods (standardized / validated)
1	2	3
1	Aggregates	БДС EN 932-1
2	Fresh concrete	БДС EN 12350-1
3	Hardened concrete	БДС EN 12504-1
4	Bituminous mixtures	БДС EN 12697-27
5	Construction soils	БДС EN 932-1

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

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 CAB.*

Flexible scope references:

** Annex № 15: Method for determination of liquid limit of soils to Art. 160, item 3 of Ordinance № РД-02-20-2/28.08.2018 on road design of Ministry of Regional Development and Public Works /MRDPW/, SG № 79/2018, amd. SG № 90/2018, valid from 26.10.2018;

** Annex № 16: Method for determination of plastic limit and plasticity index of soils to Art. 160, item 3 of Ordinance № РД-02-20-2/28.08.2018 on road design of Ministry of Regional Development and Public Works /MRDPW/, SG № 79/2018, amd. SG № 90/2018, valid from 26.10.2018;

** Annex № 17: Method for determining of California Bearing Ratio of soil (CBR) to Art. 161, table 39 and Art. 162, table 40 of Ordinance № РД-02-20-2/28.08.2018 on road design of Ministry of Regional Development and Public Works /MRDPW/, SG № 79/2018, amd. SG № 90/2018, valid from 26.10.2018;

** Annex № 18 Method for determining of bulk density of construction soils by the sand replacement method to Art. 161, table 39 and Art. 162, table 40 of Ordinance № РД-02-20-2/28.08.2018 on road design of Ministry of Regional Development and Public Works /MRDPW/, SG № 79/2018, amd. SG № 90/2018, valid from 26.10.2018;

** Technical Rules on the Design and Technology for the Construction of the Waterproofing of Reinforced Concrete Bridges of the Chief Office Roads: TRDTCWRCB: 1997. Annex 1.

I ORDER

To issue the certificate of accreditation reg. № 158 ЛИ/23.01.2024, valid until 23.12.2026, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the Manager / representative of Texnotest Ltd, the head of the Construction testing laboratory at Texnotest 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 № 158 ЛИ/18.07.2023, valid until 23.12.2026 and its enclosure – EA BAS order reg. № A 288/18.07.2023.

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

Eng. Irena Borislavova

Executive Director of EA BAS