

BAS reg. № 152 ЛИ

From: 31.10.2023

Valid until: 28.09.2026

CERTIFICATE OF ACCREDITATION

**STROICONTROL SP LTD
CONSTRUCTION TESTING LABORATORY**

Management and laboratory address:
1390 Sofia, Filipovtsi, 10A, Hadzhi Dimitar Str.

UIC: 130980327

Scope of accreditation

To perform testing of:

Concrete mixes. Concrete. Aggregates for concretes, Aggregates for concretes, Rock materials for bitumen mixes and pavements, unbound and hydraulically bound mixes for building structures and road construction, Unbound and hydraulically bound mixes for building structures and road construction, Rock materials for hydro-technical construction, Rock materials for railway lines. Building soils. Applied and compacted asphalt.

To perform sampling of:

Concrete mixes. Concrete. Aggregates for concretes. Rock materials for bitumen mixes and pavements; for unbound and hydraulically bound mixes; for building structures and road construction; for hydro-technical construction; for railway lines. Rock materials for unbound and hydraulically bound mixes. Building soils.

ACCREDITED ACCORDING TO БДС EN ISO/IEC 17025:2018

Order № A 460/31.10.2023 is an integral part of the certificate of accreditation, total 5 pages.

Date of initial accreditation: 09.08.2006

Date of re-accreditation: 28.09.2022

Executive Director:

Eng. Irena Borislavova



ORDER

№ A 460

Sofia, 31.10.2023

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 amendment of an element of the certificate content, according to item 4.3.8. f) of the BAS QR 2 Accreditation Procedure, assessment report reg. № 256/152 ЛИ/5/В/31.07.2023, declaration dated 07.08.2023, annex reg. № 256/152 ЛИ/3/В/19.09.2023 and EA BAS order reg. № A 459/31.10.2023, I hereby

AMEND

EA BAS order reg. № A 563/28.09.2022,

**of Stroicontrol SP Ltd.
Construction Testing Laboratory**

Management and laboratory address:
1390 Sofia, Filipovtsi, 10A, Hadzhi Dimitar 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.	Concrete mixes	1.1 Slump-test	БДС EN 12350-2
		1.2 Density	БДС EN 12350-6
		1.3 Air content	БДС EN 12350-7
2.	Concrete	2.1 Hardened concrete density	БДС EN 12390-7
		2.2 Compressive strength	БДС EN 12390-3
		2.3 Tensile splitting strength	БДС EN 12390-6
		2.4 in-situ compressive strength in structures and precast concrete components	БДС EN 13791/NA
		2.5 Water-tightness	БДС EN 206+A1/NA, Annex NA.N
		2.6 Depth of penetration of water under pressure	БДС EN 12390-8
		2.7 Frost resistance - relative loss of mass - ultrasound	БДС EN 206+A2/NA, Annex NA.O cl. NA.O.2.6.

Type of the scope: flexible**

№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
		impulse velocity reduction	
		2.8 Carbonation depth of hardened concrete	БДС EN 14630
3.	Aggregates for concretes (1);	3.1 Particle size distribution	БДС EN 933-1
	Rock materials for bitumen mixes and pavements, unbound and hydraulically bound mixes for building structures and road construction (2);	3.2 Content of fine fraction with sieve size 0,063mm	БДС EN 933-1 (1,2,3)
	Unbound and hydraulically bound mixes for building structures and road construction (3);	3.3 Inequigranularity index d60/d10	БДС EN 13242+A1/NA,
	Rock materials for hydro-technical construction (4);	3.4 Flakiness index	БДС EN 933-3
	Rock materials for railway lines (5);	3.5 Shape index	БДС EN 933-4
	Unbound and hydraulically bound mixes for building structures and road construction (3);	3.6 Determination of percentage of particles with crushed and broken surfaces	БДС EN 933-5 (1,2,3)
	Rock materials for hydro-technical construction (4);	3.7 Sand equivalent	БДС EN 933-8+A1 (1,2,3)
	Rock materials for railway lines (5);	3.8 Loose bulk density	БДС EN 1097-3 (1,2,3)
	Unbound and hydraulically bound mixes for building structures and road construction (3);	3.9 Resistance to fragmentation of the coarse aggregate under static load	БДС EN 206+A1/NA, Annex NA.Q
	Rock materials for hydro-technical construction (4);	3.10 Water content	БДС EN 1097-5
	Rock materials for railway lines (5);	3.11 Particle density and water absorption ρ_{σ} ; ρ_{rd} ; ρ_{ssd} ; WA_{24} ;	БДС EN 1097-6
	Unbound and hydraulically bound mixes for building structures and road construction (3);	3.12 Standard bulk density with optimum water content. Proctor compaction - normal and modified	БДС EN 13286-2 (3,4)
	Rock materials for hydro-technical construction (4);	3.13 Compressive strength of hydraulically bound mixtures	БДС EN 13286-41 (3)
	Unbound and hydraulically bound mixes for building structures and road construction (3);	3.14 California bearing ratio (CBR)	БДС EN 13286-47 (3)
	Rock materials for hydro-technical construction (4);	3.15 Elastic modulus E_{ecp}	БДС 15130-80 (3,4)
	Unbound and hydraulically bound mixes for building structures and road construction (3);	3.16 Deformation modulus: 2. E_{01} 3. E_{02} 4. E_{03}	БДС 15130-80 (3,4)
	Rock materials for hydro-technical construction (4);	Deformation modulus ratio E_{01}/E_{02}	
	Unbound and hydraulically bound mixes for building structures and road construction (3);	3.17 Plate load test settlement	БДС EN 1997-2 Annex K
	Unbound and hydraulically bound mixes for building structures and road construction (3);	3.18 Liquid limit	Ordinance № РД-02-20- 2* Annex № 15 to Art. 160, item 3 AASHTO T 89
	Unbound and hydraulically bound mixes for building structures and road construction (3);	3.19 Plastic limit	Ordinance № РД-02-20- 2* Annex № 16 to Art. 160, item 3 AASHTO T 90
	Unbound and hydraulically bound mixes for building structures and road construction (3);	3.20 Plasticity indicator	Ordinance № РД-02-20- 2* Annex № 16 to Art. 160, item 3 AASHTO T 90
	Rock materials for hydro-technical construction (4);	3.21 Dry density	AASHTO T 191 (3,4)
	Unbound and hydraulically bound mixes for building structures and road construction (3);	3.22 Wet density	AASHTO T 191 (3,4)
	Rock materials for hydro-technical construction (4);	3.23 Compaction index	AASHTO T 191 (3,4)
4.	Building soils	4.1 Water content	БДС EN ISO 17892-1 AASHTO T191
		4.2 Particle size distribution	БДС EN 933-1

Type of the scope: flexible**			
№	Tested products	Type of test / characteristic	Testing methods (standard / validated method)
1	2	3	4
			БДС EN ISO 17892-4
		4.3 Inequigranularity index d60/d10	БДС EN ISO 14688-2
		4.4 Bulk density	БДС EN ISO 17892-2
		4.5. Dry density	БДС EN ISO 17892-2
		4.6 California bearing ratio (CBR)	БДС EN 13286-47
		4.7 Standard bulk density with optimum water content. Proctor compaction - normal and modified	БДС EN 13286-2
		4.8 Elastic modulus E _{cp}	БДС 15130-80
		4.9 Deformation modulus: 5. E ₀₁ 6. E ₀₂ 7. E ₀₃	БДС 15130-80
		Deformation modulus ratio E ₀₂ /E ₀₁	
		4.10 Plate load test settlement	БДС EN 1997-2, Annex K
		4.11 Dry Density	AASHTO T191
		4.12 Wet density	AASHTO T 191
		4.13 Compaction index	AASHTO T 191
5.	Applied and compacted asphalt	5.1 Bulk density of asphalt core sample	БДС EN 12697-6
		5.2 Asphalt layer thickness - destructive method	БДС EN 12697-36

To perform sampling of:

Type of the scope: flexible**		
№	Product	Sampling method (standard/validated)
1	2	3
1.	Concrete mixes	БДС EN 12350-1
2.	Concrete	БДС EN 12504-1
3.	Aggregates for concretes. Rock materials for bitumen mixes and pavements; for unbound and hydraulically bound mixes; for building structures and road construction; for hydro-technical construction; for railway lines	БДС EN 932-1
4.	Rock materials for unbound and hydraulically bound mixes	БДС EN 13286-1
5.	Building soils	БДС EN 13286-1

****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 CAB.

***References:**

1) Annex № 15 to Art. 160, item 3 of Ordinance № ПД-02-20-2/28.08.2018 for road design of the Ministry of Regional Development and Public Works, SG № 79/25.09.2018.

2) Annex № 16 to Art. 160, item 3 of Ordinance № ПД-02-20-2/28.08.2018 for road design of the Ministry of Regional Development and Public Works, SG № 79/25.09.2018.

I ORDER

To issue the certificate of accreditation reg. № 152 ЛИ/31.10.2023, valid until 28.09.2026, and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the Manager / representative of the Stroicontrol SP Ltd, the head of the Construction Testing Laboratory at Stroicontrol SP Ltd, or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the Construction Testing Laboratory at Stroicontrol SP Ltd is obliged to return to EA BAS the originals of accreditation certificate № 152 ЛИ/28.09.2022, valid until 28.09.2026 and an enclosure – EA BAS order reg. № A 563/28.09.2022.

This order shall be notified to the Construction Testing Laboratory at Stroicontrol SP Ltd, Sofia, within 3 (three) days from its issuance.

Eng. Irena Borislavova

Executive Director of EA BAS

