ORDER

№ А 117

Sofia, 09.04.2026

Pursuant to Art. 10, para. 1, item 4, Art. 28, para. 1 of the Low on National Accreditation of Conformity Assessment Bodies, item 6 of the BAS QR 2 EA BAS Accreditation Procedure, in connection with an application of accreditation reg. № 09-97/P/28.08.2025, an open procedure reg. № 358/105 ЛИ/ПА/14.10.2025, report reg. № 358/105 ЛИ/ПА/5/В/18.12.2025 and statement of the Accreditation Commission reg. № 358/105 ЛИ/ПА/2/В/09.04.2026, I hereby

RE-ACCREDIT

VN ENGINEERING EOOD
CONSTRUCTION TESTING LABORATORY

Management Address:
1336 Sofia, Lyulin VI, Petar Goranov Str, Bl. 644, Entr. 1, Floor 1, App. 2
Laboratory address:
1756 Sofia, 125 Kliment Ohridski Blvd.

To perform testing of:

Type of the scope: *flexible**			
№	**Tested products**	**Type of test/Characteristic**	**Test methods (standard/validated)**
1	2	3	4
I.	Rock aggregates for unbound and hydraulically bound mixtures (1)/ Construction soils (2)	1.1 Water content	БДС 644* (1, 2)
		1.2 Specific gravity	БДС 646* (1, 2)
		1.3 Natural bulk density/ Dry bulk density/ Pore volume/ Void ratio	БДС EN ISO 17892-2 (2)
		1.4 Elastic and deformation modulus determined by plate load test with a circular plate	БДС 15130 (1, 2)
		1.5 Determination of the maximum dry density. Optimum water content of soils. Proctor compaction test. Relative density and water content	БДС EN 13286-2 (1) БДС 17146 (1, 2) БДС 3214* (1, 2)

Type of the scope: *flexible**			
№	**Tested products**	**Type of test/Characteristic**	**Test methods (standard/validated)**
1	2	3	4
		1.6 Soil density by the sand replacement method	AASHTO T 191 (1, 2) ASTM D1556 / D1556M (1, 2)
		1.7 Compaction coefficient	БДС 17146 (1, 2)
		1.8 Water content. Moisture content	БДС EN 1097-5 (1, 2)
		1.9 California Bearing Ratio (CBR)	БДС EN 13286-47 (1, 2) ASTM D 1883 (1, 2) ASTM D 4429* (1, 2)
		1.10 Deformation moduli / Ratio of deformation moduli / bearing capacity (subgrade response)	DIN 18134 (1, 2)
		1.11 Load–deformation relationship	ASTM D1195/ D1195M (1, 2) ASTM D1196/ D1196M (1, 2)
II.	Concrete mixture (1)/ concrete (2)	2.1 Settlement	БДС EN 12350-2 (1)
			ASTM C 143/ C 143M (1) AASHTO T 119M/T 119 (1)
		2.2 Flow spread	БДС EN 12350-5 (1)
		2.3 Degree of compaction	БДС EN 12350-4 (1)
		2.4 Density	БДС EN 12350-6 (1)
		2.5 Air content	БДС EN 12350-7 (1)
		2.6 Compressive strength	БДС EN 12390-3 (2)
		2.7 Flexural tensile strength	БДС EN 12390-5 (2) ASTM C 78/ C 78M (2) ASTM C 293/ C 293M** (2) AASHTO T 97 (2)
		2.8 Splitting tensile strength	БДС EN 12390-6 (2)
			ASTM C 496/ C 496M (2)
		2.9 Density of hardened concrete	БДС EN 12390-7 (2)
		2.10 Compressive strength of cores	БДС EN 12504-1 (2) БДС EN 12390-3 (2)
		2.11 In-situ compressive strength	БДС EN 13791/NA (2)
			ASTM C 805/ C 805M (2)
		2.12 Water tightness	БДС EN 206+A2/ NA, NA.N (2)
		2.13 Depth of water penetration under pressure	БДС EN 12390-8 (2)
III.	Mortars for floor screeds	3.1 Flexural strength	БДС EN 13892-2
		3.2 Compressive strength	БДС EN 13892-2
		3.3 Tensile bond strength	БДС EN 13892-8
IV.		4.1 Bulk density	БДС EN 12697-6

Type of the scope: *flexible**			
№	**Tested products**	**Type of test/Characteristic**	**Test methods (standard/validated)**
1	2	3	4
	Bituminous mixtures and laid and compacted bituminous layers	4.2 Maximum density	БДС EN 12697-5
		4.3 Dimensions of bituminous specimen	БДС EN 12697-29
		4.4 Bituminous pavement layer thickness	БДС EN 12697-36
		4.5 Stiffness (indirect tensile stiffness modulus)	БДС EN 12697-34
		4.6 Deformation (horizontal deformation)	БДС EN 12697-34
		4.7 Relative density / degree of compaction	БДС EN 12697-9**
		4.8 Soluble binder content	БДС EN 12697-1
		4.9 Particle size distribution (grading)	БДС EN 12697-2
		4.10 Flexural bending strength	БДС 15131
		4.11 Transverse / longitudinal evenness / surface irregularities	БДС EN 13036-7
		4.12 Air voids content	БДС EN 12697-8
V.	Mortars	5.1 Bond strength	БДС EN 1015-12
		5.2 Air content	БДС EN 1015-7
		5.3 Compressive strength	БДС EN 1015-11
		5.4 Flexural strength	БДС EN 1015-11
VI.	Concrete in structures	6.1 Bond strength	БДС EN 1542
		6.2 Depth of carbonation	БДС EN 14630
VII.	Adhesives for tiles	7.1 Tensile adhesion strength: - Initial tensile adhesion strength - Tensile adhesion strength after water immersion - Tensile adhesion strength after heat ageing	БДС EN 12004-2
VIII.	Waterproofing	8.1 Adhesion	БДС EN 13596
IX.	Sprayed concrete	9.1 Compressive strength of young sprayed concrete	БДС EN 14488-2
		9.2 Thickness of sprayed concrete on a substrate	БДС EN 14488-6
		9.3 Water tightness	БДС EN 206+A2/NA, NA.N (2)
		9.4 Depth of water penetration under pressure	БДС EN 12390-8
X.	Reinforced concrete structures	10.1 Presence, location, and concrete cover of reinforcement	BS 1881-204
XI.		11.1 Particle size distribution	БДС EN 933-1

Type of the scope: *flexible**			
№	**Tested products**	**Type of test/Characteristic**	**Test methods (standard/validated)**
1	2	3	4
	Rock aggregates	11.2 Fines passing the 0.063 mm sieve	БДС EN 933-1
		11.3 Shape index	БДС EN 933-4
		11.4 Percentage of: - crushed particles - fully crushed particles - fully rounded particles	БДС EN 933-5
		11.5 Los Angeles coefficient (resistance to fragmentation)	БДС EN 1097-2
		11.6 Particle density - particle specific density - oven-dried particle density - saturated and surface-dry particle density - oven-dried particle density after pre-drying - particle density of particles saturated to constant mass	БДС EN 1097-6
		11.7 Water absorption	БДС EN 1097-6
		11.8 Magnesium sulphate value	БДС EN 1367-2
		11.9 Humus content	БДС EN 1744-1
		11.10 Liquid limit	БДС EN ISO 17892-12; Appendix № 15 to Art. 168, para. 1 of Ordinance № РД-02-20-2, SG № 79/2018
		11.10 Plastic limit	БДС EN ISO 17892-12; Appendix № 16 to Art. 168, para. 1 of Ordinance № РД-02-20-2, SG № 79/2018
		11.12 Plasticity index	БДС EN ISO 17892-12; Appendix № 16 to Art. 168, para. 1 of Ordinance № РД-02-20-2, SG № 79/2018
		11.13 Resistance to fragmentation under static load	БДС EN 206+A2/NA, Annex NA.Q
		11.14 Sand equivalent	БДС EN 933-8
		11.15 Methylene blue value	БДС EN 933-9
		11.16 Elastic and deformation modulus determined by plate load test with a circular plate	БДС 15130
		11.17 Determination of the maximum dry density. Optimum water content of soils. Proctor compaction test.	БДС EN 13286-2 БДС 17146

Type of the scope: *flexible**			
№	**Tested products**	**Type of test/Characteristic**	**Test methods (standard/validated)**
1	2	3	4
		11.18 Water content.	БДС EN 1097-5
		Moisture content.	
		11.19 California Bearing Ratio (CBR)	БДС EN 13286-47 ASTM D 1883
		11.20 Soil density by the sand replacement method	AASHTO T 191
		11.21 Compaction coefficient	БДС 17146
		11.22 Deformation moduli / Ratio of deformation moduli / bearing capacity (subgrade response)	DIN 18134
		11.23 Load–deformation relationship	ASTM D1195/ D1195M
			ASTM D1196/ D1196M
XII.	Anti-corrosion and fire-resistant coatings, paints, and varnishes for metals	12.1 Thickness of non-magnetic coatings on magnetic substrates.	БДС EN ISO 2178

To perform sampling of:

Type of the scope: *flexible**		
№	**Product**	**Sampling methods (standardized/validated)**
1	2	3
1.	Concrete mixtures	БДС EN 12350-1
2.	Rock aggregates for unbound and hydraulically bound mixtures (1)/ Construction soils (2)	БДС EN 932-1 (1, 2)
3.	Bituminous mixtures and laid and compacted bituminous layers	БДС EN 12697-27, cl. 4.1, cl. 4.7
4.	Mortars	БДС EN 1015-2/A1
5.	Sprayed concrete	БДС EN 14488-1
6.	Mortars for floor screeds	БДС EN 13892-1
7.	Concrete	БДС EN 12504-1

***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.*

References:
Appendix № 15 to Art. 168, para. 1 of Ordinance № РД-02-20-2, SG № 79/2018 - Method for determination of Liquid limit.
Appendix № 16 to Art. 168, para. 1 of Ordinance № РД-02-20-2, SG № 79/2018 - Method for determination of Plastic limit and Plasticity index.

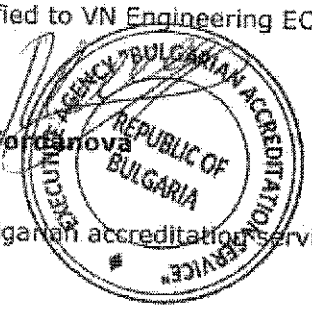
I ORDER

To issue the certificate of accreditation reg. № 105 ЛИ/16.04.2026 valid until 15.04.2030 and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager of the VN Engineering EOOD, the head of the Construction Testing Laboratory, at VN Engineering EOOD, or other authorized person in the office of EA BAS.

Upon the receipt of the certificate issued and enclosure, accredited person is obliged to return to EA BSA the originals of certificate of accreditation reg. № 105 ЛИ/03.07.2023, valid until 15.04.2026 and its enclosure, EA BAS order reg. № А 264/03.07.2023.

This order shall be notified to VN Engineering EOOD, within 3 (three) days from its issuance.



Eng. Mariya Ilieva - Yordanova

Executive Director
of Executive agency Bulgarian accreditation service