



Signatory to the EA Multilateral Agreement in this field

ORDER

Nº A 194

Sofia, 23.06.2026

Pursuant to Art. 10, Para. 1, item 4, Art. 28, Para. 1 of the Law on National Accreditation of Conformity Assessment Bodies, item 6 of the BAS QR 2 Accreditation Procedure, in connection with an open procedure reg. Nº 177/255 ЛИ/ПА/19.12.2025, assessment report reg. Nº 177/255 ЛИ/6/В/16.03.2026 and statement of the Accreditation Commission reg. Nº 177/255 ЛИ/ПА/6/В/08.06.2026, I hereby

RE-ACCREDIT

BAUGRUND INSTITUT KNIRIM OOD
TESTING LABORATORY SOIL MECHANICS

Management address: 1612, Sofia, 3 Tsarevo Selo Str.

Laboratory address: 1612, Sofia, 3 Tsarevo Selo Str, Atelier - Ground Floor

To perform testing of:

Type of the scope: Flexible**			
Nº	Tested products	Type of test / characteristics	Test methods (standard / validated method)
1	2	3	4
1.	Construction Soils	1.1 Particle size	БДС 2762*; БДС EN ISO 17892-4, (cl. 6.1, cl. 6.2); ASTM D7928; ASTM D6913
		1.2 Bulk density / Wet density	БДС 647*; DIN 18 125-2 (A, S); БДС EN ISO 17892-2; ASTM D1556; ASTM D2937
		1.3 Specific Gravity/ particle density	БДС 646*; БДС EN ISO 17892-3; ASTM D854
		1.4 Water content	BDS 644*; DIN 18 121-2(MW); БДС EN ISO 17892-1; ASTM D2216; ASTM D4643
		1.5 Liquid limit	БДС 648*; БДС EN ISO 17892-12; ASTM D4318
		1.6 Plastic limit/	БДС 648*; БДС EN ISO 17892-12; ASTM D4318
		1.7 Maximum dry unit weight	БДС 3214, cl. 2*; DIN 18 127-P(M)100(150)X(Y); БДС 17146;

Type of the scope: <i>Flexible**</i>			
Nº	Tested products	Type of test / characteristics	Test methods (standard/ validated method)
1	2	3	4
			ASTM D698 (Method A, B); ASTM D1557 (Method A, B); БДC EN 13286-2
		1.8 Optimum water content	БДC 3214, cl. 2*; DIN 18127-P(M)100(150)X(Y); БДC 17146; ASTM D698 (Method A, B); ASTM D1557 (Method A, B); БДC EN 13286-2
		1.9 Angel of internal friction	БДC 10188; БДC EN ISO 17892-8; БДC EN ISO 17892-9; БДC EN ISO 17892-10; ASTM D3080*; ASTM D4767; ASTM D2850; ASTM D7181
		1.10 Cohesion	БДC 10188; БДC EN ISO 17892-8; БДC EN ISO 17892-9; БДC EN ISO 17892-10; ASTM D3080*; ASTM D4767; ASTM D2850; ASTM D7181
		1.11 Constrained modulus	БДC 8992*; БДC EN ISO 17892-5; ASTM 4186
		1.12 Settlement	БДC 8992*; БДC EN ISO 17892-5; ASTM D2435; ASTM D4546
		1.13 Swelling	ASTM D4546
		1.14 Swell pressure	ASTM D4546; БДC EN ISO 17892-5
		1.15 Coefficient of consolidation	БДC EN ISO 17892-5; ASTM D2435; ASTM D4186
		1.16 Macro pore ratio	БДC 14783
		1.17 Hydraulic conductivity (Coefficient of permeability)	БДC 8497; БДC EN ISO 17892-11; ASTM D5084 (Method A, B, C)
		1.18 Carbonate content	БДC 4414
		1.19 Organic content	DIN 18128*; ASTM D2974
		1.20 Elastic module	БДC 15130
		1.21 Deformation module	БДC 15130; DIN 18134
		1.22 Content of water soluble salts	БДC 11301
		1.23 Unconfined Compressive Strength	БДC EN ISO 17892-7; ASTM D2166
		1.24 Water absorption	DIN 18132
		1.25 Coefficient of curvature	БДC EN ISO 17892-4;

Type of the scope: <i>Flexible**</i>			
Nº	Tested products	Type of test / characteristics	Test methods (standard/ validated method)
1	2	3	4
			ASTM D2487
		1.26 Coefficient of uniformity	БДС 2762*; БДС EN ISO 17892-4; ASTM D2487
		1.27 Dry density	БДС 647*; DIN 18125-2 (A, S); БДС EN ISO 17892-2; ASTM D1556; ASTM D2937
		1.28 Porosity	БДС 647*; DIN 18125-2 (A, S)
		1.29 Void ratio	БДС 647*; DIN 18125-2 (A, S)
		1.30 Saturation degree	БДС 2761*; DIN 18125-2 (A, S)
		1.31 Plasticity index	БДС 2761*; БДС EN ISO 17892-12; ASTM D4318
		1.32 Consistency index	БДС 2761*
		1.33 E2/E1	БДС 15130; DIN 18134
		1.34 Fall cone undrained shear strength of soil	БДС EN ISO 17892-6; БДС EN ISO 17892-7
		1.35 Sensitivity	БДС EN ISO 17892-7
		1.36 California bearing ratio (CBR)	БДС EN 13286-47; ASTM D4429*; ASTM D1883
		1.37 Shrinkage limit	DIN 18122-2
2.	Rock materials	2.1 Compression strength	ASTM D7012; БДС EN 1926
		2.2 Angle of internal friction	ASTM D7012
		2.3 Cohesion	ASTM D7012
		2.4 Poisson ratio rock	ASTM D7012
		2.5 Elastic Moduli of Intact Rock Core Specimens	ASTM D7012
		2.6 Shear Moduli	ASTM D7012
		2.7 Bulk modulus	ASTM D7012
		2.8 Tensile strength	ASTM D3967
		2.9 CAI (Cerchar abrasivity index)	ASTM D7625
		2.10 Point load test	ASTM D5731*
		2.11 Total porosity of natural stone	БДС EN 1936
		2.12 Apparent density	БДС EN 1936

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

To perform sampling of:

Type of scope: <i>Flexible**</i>		
Nº	Product	Sampling methods (standard/ validated method)
1	2	3
1.	Construction soils	БДС EN 13286-1, БДС EN ISO 22475-1

****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.

I ORDER

To issue the certificate of accreditation reg. № 255 ЛН/23.06.2026 valid until 22.06.2030 and this order as an integral part of it.

The certificate of accreditation with the enclosure to be received by the manager of Baugrund Institut KNIRIM OOD, the head of Testing Laboratory Soil Mechanics at Baugrund Institut KNIRIM OOD or other authorized person in the office of EA BAS.

Upon receipt of the certificate and the enclosure issued, the Testing Laboratory Soil Mechanics, at Baugrund Institut KNIRIM OOD is obliged to return to EA BAS the originals of accreditation certificate № 255 ЛН/25.08.2025 valid until 22.06.2026 and its enclosure – EA BAS order reg. № A 282/25.08.2025.

This order shall be notified to the Testing Laboratory Soil Mechanics at Baugrund Institut KNIRIM OOD within 3 (three) days from its issuance.

Eng. Mariya Ilieva-Yordanova

*Executive Director
of Executive agency Bulgarian accreditation services*

