REPUBLIC OF BULGARIA
Executive agency
Bulgarian accreditation service

Signatory to the EA Multilateral Agreement in this field

ORDER

№ А 4

Sofia, 09.01.2026

Pursuant to Art. 10, para. 1, item 2a of the Law on National Accreditation of Conformity Assessment Bodies, in connection with item 4.3.8. f) of the BAS QR 2 Accreditation Procedure, report 2.9.5.5. reg. № 224/47 ЛИ/15/В/19.12.2025 and EA BAS order reg. № А 3/09.01.2026, I hereby

AMEND

EA BAS order reg. № А 373/01.12.2025, to accreditation certificate reg. № 47 ЛИ/01.12.2025, valid until 29.09.2026

BUILDING RESEARCH INSTITUTE - NISI LTD.
CONSTRUCTION PRODUCTS TESTING LABORATORY

Management address: 1618 Sofia, Ovcha Kupel, 86 Nikola Petkov Blvd.
Laboratory address: 1528 Sofia, Iskar District, 1 Ilia Beshkov 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.	Mixing water for concrete	1.Oil and fats	БДС EN 1008 cl.6.1.1
		2.Colour	БДС EN 1008 cl.6.1.1
		3. Acids	БДС EN 1008 cl.6.1.1
		4. Humics matter	БДС EN 1008 cl.6.1.1
		5. Sulphates, expressed as SO_4^{2-}	БДС EN 196-2 cl.4.5.16
		6. Chlorides	БДС EN 196-2 cl.4.4.2
		7.Setting time	БДС EN 196-3 cl.6
		8.Compressive strength at 7 days	БДС EN 196-1
2.	Refractory products	1.Crushing strength	БДС EN 993-5
		2. Apparent porosity	БДС EN 993-1
		3. Bulk density	БДС EN 993-1
		4. Aluminium oxide (Al_2O_3)	БДС 6083 cl.6
		5. Magnesium oxide (MgO)	БДС 15313
		6. Calcium oxide (CaO)	БДС 15269
		7. Silica (SiO_2)	БДС 15267
		8. Hygroscopic moisture	БДС 9599
		9. Iron oxide (Fe_2O_3)	БДС 6083, cl.5.2
3.	Clay raw materials for bricks and roof-tile production	1.Natural moisture content	БДС EN 1097-5
		2. Silica (SiO_2)	БДС 6083 cl.4
		3. Iron (III) oxide (Fe_2O_3)	БДС 6083 cl.5.2
		4. Aluminium oxide (Al_2O_3)	БДС 6083 cl.6
		5. Calcium oxide (CaO)	БДС 6083 cl.8
		6. Magnesium oxide (MgO)	БДС 6083 cl.8
		7. Loss of ignition	БДС 6083 cl.3

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Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
4.	Quartz sand	1. Silica (SiO2)	БДС 1097 cl.3.5 БДС 6083 cl.4
		2. Aluminium oxide (Al_2O_3)	БДС 6083 cl.6
		3. Iron (III) oxide (Fe_2O_3)	БДС 6083 cl.5.2
		4. Calcium oxide (CaO)	БДС 6083 cl.8
		5. Magnesium oxide (MgO)	БДС 6083 cl.8
5.	Cements	1.Flexural strength - at 2 days - at 7 days - at 28 days	БДС EN 196-1
		2.Compressive strength at 2 days at 7 days at 28 days	БДС EN 196-1
		3. Soundness	БДС EN 196-3 cl.7
		4. Setting time	БДС EN 196-3 cl.6
		5. Fineness	БДС EN 196-6 cl.5
		6. Specific surface (Blaine method)	БДС EN 196-6 cl.4
		7.Loss of ignition	БДС EN 196-2 cl.4.4.1
		8. Insoluble residue	БДС EN 196-2 cl.4.4.3
		9. Sulphate expressed as SO_3	БДС EN 196-2 cl.4.4.2
		10.Chloride	БДС EN 196-2 cl.4.5.16
		11. Pozzolanicity - hydroxide ion concentration - calcium oxide concentration (CaO) (for Pozzolanic Portland cement and Pozzolanic cement)	БДС EN 196-5
		12.Cement components/ additives slag pozzolanic additions (trass+sand) limestone	БДС 7747
		13. Chemical analysis of cement, content of:	
		- Silica (SiO_2)	БДС EN 196-2 cl.4.5.4, cl.4.5.5, cl.4.5.6
		- Iron (III) oxide (Fe_2O_3)	БДС EN 196-2 cl.4.5.10
		- Aluminium oxide (Al_2O_3)	БДС EN 196-2 cl.4.5.11
		- Calcium oxide (CaO)	БДС EN 196-2 cl.4.5.12, cl.4.5.14
		- Magnesium oxide (MgO)	БДС EN 196-2 cl.4.5.13, cl.4.5.15
		14. Water-soluble chromium (VI) content Cr^{6+}	БДС EN 196-10
		15. Mineral composition of the clinker (for sulphate resisting Portland cement), % - C_3S - C_3A - $C_3A + C_4AF$	БДС 12926 БДС EN 196-2
		16. Heat of hydration	БДС EN 196-8
6.	Building lime	1. Calcium oxide + magnesium	БДС EN 459-2 cl.4.1

Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
		oxide (CaO + MgO)	
		2. Magnesium oxide (MgO)	БДС EN 459-2 cl.4.1
		3. Carbon dioxide (CO_2)	БДС EN 459-2 cl.4.5
		4. Sulphate (SO_3)	БДС EN 459-2 cl.4.2
		5. Free lime	БДС EN 459-2 cl.6.9
		6. Free water	БДС EN 459-2 cl.4.3
		7. Yield	БДС EN 459-2 cl.7.7
		8. Slaking time	БДС EN 459-2 cl.7.6
		9. Loss of ignition	БДС EN 196-2 cl.4.4.1
		10. Soundness	БДС EN 459-2 cl.7.4.2.2, cl.7.4.4
7.	Limestone/carbonate	1. Calcium oxide (CaO)/ calcium carbonate	БДС EN 196-2 cl.4.5.12
		2. Magnesium oxide (MgO)/ magnesium carbonate	БДС EN 196-2 cl.4.5.13
		3. Insoluble residue	БДС 5668
		4.Content of:	
		-Silica (SiO_2)	БДС EN 196-2 cl.4.5.4
		-Aluminium oxide (Al_2O_3)	БДС EN 196-2 cl.4.5.11
		- Iron (III) oxide (Fe_2O_3)	БДС EN 196-2 cl.4.5.10
		5. Sulphur, as SO_3	БДС 5361 cl.3.7
		6. Moisture content	БДС 11330 cl.2
		7. Loss of ignition	БДС EN 196-2 cl.4.4.1
		8. Particle size distribution	БДС EN 933-1
8.	Gypsum binders/ gypsum and gypsum plasters. Gypsum-based grouts.	1. Compressive strength	БДС EN 13279-2 cl.4.5.5
		2. Flexural strength	БДС EN 13279-2 cl.4.5.4
		3. Sieve analysis/fineness – residue retained on the sieve	БДС EN 13279-2
		4. Terms/setting time Initial, final	БДС EN 13279-2 cl.4.4.2
		5. Water/plaster ratio - dispersal method	БДС EN 13279 -2
		6.Calcium sulphate ($CaSO_4$) / Sulphur trioxide (SO_3)	БДС EN 13279-2 cl.4.2
		7. Tensile adhesion strength	БДС EN 13279-2 cl.4.6
		8. Content of:	
		- Iron (III) oxide (Fe_2O_3)	БДС 10793 cl.5.1
		- Aluminium oxide (Al_2O_3)	БДС 10793 cl.5.1
		- Silica (SiO_2)	БДС 10793 cl.4
		- Calcium oxide (CaO)	БДС 10793 cl.6
		- Magnesium oxide (MgO)	БДС 10793 cl.6
		- Sulphur oxide (SO_3)	БДС 10793 cl.7
9.	Gypsum-based adhesives for gypsum blocks, gypsum panels and boards, thermal/acoustic insulation composite panels and plasterboards.	1. Initial setting time	БДС EN 13279-2 cl.4.4.2
		2. Bond strength	БДС EN 12860 БДС EN 14496
		3. Sulphur trioxide (SO_3)	БДС EN 13279-2 cl.4.2
		4. Particles size: residue on 200 µm sieve residue on 100 µm sieve	БДС EN 13279-2 cl.4.1.3
		5. pH	БДС EN 12860
10.	Concrete paving flags	1. Dimensions	БДС EN 1339/AC
		2. Bending strength	БДС EN 1339/AC

Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
			Annex F
		3. Water absorption	БДС EN 1339/AC Annex E
11.	Concrete kerb units	1.Dimesions	БДС EN 1340/AC
		2.Bendingl strength	БДС EN 1340/AC Annex F
		3. Water absorption	БДС EN 1340/AC Annex E
12.	Concrete paving blocks	1. Dimensions	БДС EN 1338/AC
		2. Water absorption	БДС EN 1338/AC Annex E
		3. Tensile splitting strength	БДС EN 1338/ AC Annex F
13.	Natural stones. Slabs for cladding.	1. Water absorption by capillarity.	БДС EN 1925
		2. Flexural strength at air dry condition	БДС EN 12372
		3. Compressive strength at air dry condition	БДС EN 1926
		4. Flexural strength at water saturated condition	БДС EN 12372
		5. Compressive strength at water saturated condition	БДС EN 1926
		6. Water absorption	БДС 12159 БДС EN 13755
		7. Open porosity / apparent density	БДС EN 1936
		8. Real density	БДС EN 1936
		9. Freeze-thaw resistance	БДС EN 12371
14.	Concrete roofing tiles and fittings	1. Hanging length	БДС EN 491
		2.Mass at dry condition	
		3.Breaking load at bending	
		4. Water impermeability	
15.	Concrete	1.Compressive strength	БДС EN 12390-3
		2.Flexural strength	БДС EN 12390-5
		3. Density	БДС EN 12390-7
		4. Freeze-thaw resistance: mass loss strength reduction	БДС EN 206+A2/NA
		5. Water impermeability	БДС EN 206+A2/NA
16.	Rendering and plastering mortar. Masonry mortar	1. Workable life and correction time	БДС EN 1015-9/A1
		2.Compressive strength	БДС EN 1015-11
		3.Flexural strength	БДС EN 1015-11
		4. Water absorption by capillarity	БДС EN 1015-18
		5. Bulk density (at loose/compacted condition)	БДС EN 1015-6/A1
		6.Adhesive strength (rendering and plastering mortar)	БДС EN 1015-12
		7. Shear strength (adhesion) (masonry mortar)	БДС EN 998-2, Annex C
		8. Water vapour permeance / Water vapour permeability coefficient	БДС EN 1015-19/A1 БДС EN 1745–Table A.12

Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
		9. Chloride content (masonry mortar)	БДС EN 1015-17/A1
		10. Particle size distribution	БДС EN 1015-1/A1
		11. Air content (masonry mortar)	БДС EN 1015-7 Method B
		12. Dry bulk density	БДС EN 1015-10/A1
		13. Thermal conductivity	БДС EN 1745–Table A.12
17.	Aggregates for concrete, mortars; light aggregates and fine filler, mineral powder (of natural, manufactured or recycled materials and mixtures – ceramsite, agloporite, shale clay, slag pumice, natural pumice tuffs, etc.) for concrete and mixture and grout (1). Aggregates for bituminous mixtures and surface treatments for roads, airfields and other trafficked areas (2). Aggregates for unbound and hydraulically bound materials for use in civil engineering work and road construction (3).	1. Particle size distribution – passing quantity	БДС EN 933-1 (1,2,3)
		2. Fines content	БДС EN 933-1 (1,2,3)
		3. Shell content	БДС EN 933-7 (1)
		4. Fragmentation under static load	БДС EN 206+A2/NA (1)
		5. Particle density: - apparent particle density, ρa - oven-dried particle density, ρ_{rd} - saturated and surface-dried particle density, ρ_{ssd}	БДС EN 1097-6 (1,2,3) cl. 7, cl. 8, cl. 9
		6.Particle shape / shape index	БДС EN 933-4 (1,2,3)
		7. Water absorption	БДС EN 1097-6 (1,2,3) cl. 7, cl. 8, cl. 9
		8. Water content	БДС EN 1097-5 (2)
		9. Bulk density	БДС EN 1097-3 (1,2)
		10. Constituents which alter the rate of setting and hardening of concrete (organic contaminators)	БДС EN 1 744-1+A1 cl.15.1 (1,3)
		11. Total sulphur as: SO_3 and S	БДС EN 1744-1+A1 cl.11.1 (1,3)
		12. Acid-soluble sulphates as SO_3	БДС EN 1744-1+A1 cl.12 (1,3)
		13. Water-soluble sulphates	БДС EN 1744-1+A1 cl.10.1 (1,3)
		14. Alkali-silica reactivity - soluble SiO_2	БДС 14851 (1)
		15. Water-soluble chlorides	БДС EN 1744-1+A1, cl. 7.1 (1)
		16. Frost resistance: with magnesium sulphate ($MgSO_4$)	БДС EN 1367-2 (1,2,3)
		17. Lightweight contaminators	БДС EN 1744-1+A1, cl. 14.2, (1,3)
		18. Resistance to wear (micro - Deval)	БДС EN 1097-1 (1,2,3)
		19. Fines quality evaluation by Methylene blue	БДС EN 933-9 (1,2,3)
		20. Calcium oxide (CaO)	БДС EN 459-2 cl.5.2 (1)
		21. Loss of ignition	БДС EN 1744-1+A1 cl.17 (1)
		22. Petrographic description / mica content	БДС EN 932-3/A1 (1,2,3)
18.	Granulated blast furnace slag for cement production, use in concrete, mortar and	1.Hydraulic reactivity coefficient - to be calculated	БДС EN 15167- 1
		2. Fineness	БДС EN 196-6 cl.5
		3. Initial setting time	БДС EN 196-3 cl.6

Type **of the scope:** *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
	grout	4. Activity index / strength	БДС EN 196-1
		5. Silica (SiO_2)	БДС EN 196-2 cl.4.5.4
		6. Aluminium oxide (AI_2O_3)	БДС EN 196-2 cl.4.5.11
		7. Magnesium oxide (MgO)	БДС EN 196-2 cl.4.5.13
		8. Calcium oxide (CaO)	БДС EN 196-2 cl.4.5.12
		9. Sulphates (SO_3)	БДС EN 196-2 cl.4.5.2
		10. Chloride	БДС EN 196-2 cl.4.5.16
		11. Loss of ignition	БДС EN 196-2 cl.4.4.1
19.	Fly ash for concrete	1. Compressive strength / activity index	БДС EN 196-1
		2.Fineness	БДС EN 451-2
		3. Soundness-expansion	БДС EN 196-3 cl.7
		4.Initial setting time	БДС EN 196-3 cl.6
		5. Loss of ignition	БДС EN 196-2 cl.4.4.1
		6. Content of:	
		- Silica (SiO2)	БДС EN 196-2 cl.4.5.4
		- Aluminium oxide (Al_2O3)	БДС EN 196-2 cl.4.5.11
		- Iron (III) oxide (Fe_2O_3)	БДС EN 196-2 cl.4.5.10
		- Chloride	БДС EN 196-2 cl.4.5.16
		- Sulphuric anhydride (SO_3)	БДС EN 196-2 cl.4.4.2
		- Magnesium oxide (MgO)	БДС EN 196-2 cl.4.5.13
		7. Reactive SiO2	БДС EN 197-1 cl.3.2 БДС EN 196-2 cl.4.5.4
		8. Sum of contents of SiO_2, Al_2O_3, Fe_2O_3	БДС EN 196-2
		9.Reactive calcium oxide (CaO)	БДС EN 197-1 cl.3.1 БДС EN 196-2 cl.4.5.12
		10. Density	БДС EN 196-6
20.	Silica fume for concrete	1. Silica (SiO_2)	БДС EN 196-2, cl.4.5.4
		2.Sulphate (as SO_3)	БДС EN 196-2, cl.4.4.2
		3.Chloride	БДС EN 196-2, cl.4.5.16
		4. Loss of ignition	БДС EN 196-2, cl.4.4.1
		5. Activity index – strength to strength ratio	БДС EN 196-1
21.	Ceramic tiles	1.Dimensions and surface quality	БДС EN ISO 10545-2
		2. Water absorption	БДС EN ISO 10545-3
		3. Resistance to thermal shock	БДС EN ISO 10545-9
		4. Chemical resistance	БДС EN ISO 10545-13
		5. Resistance to stains	БДС EN ISO 10545-14
		6. Modulus of rupture	БДС EN ISO 10545-4
		7.Frost resistance	БДС EN ISO 10545-12
22.	Clay masonry units. Calcium-silicate masonry units. Aggregate concrete masonry units. Autoclaved aerated concrete masonry units.	1.Dimensions and tolerances	БДС EN 772-16
		2. Percentage of voids	БДС EN 772-3
		3. Net volume	БДС EN 772-3
		4. Gross dry density	БДС EN 772-13
		5. Net dry density	БДС EN 772-13
		6. Compressive strength	БДС EN 772-1
		7. Active soluble salts content	БДС EN 772-5
		8. Water absorption	БДС EN 772-7
		9. Initial rate of water	БДС EN 772-11

Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
		absorption/water absorption due to capillary action	
		10. Configuration	БДС EN 771-1
		11. Thermal resistance	БДС EN 1745
23.	Clay roofing tiles and fittings	1. Structural characteristics	БДС EN 1304/NA
		2. Geometric dimensions and deviations from the declared ones	БДС EN 1024
		3. Water impermeability	БДС EN 539-1 Method 2
		4. Flexural strength, breaking load	БДС EN 538
24.	Bitumen shingles with mineral and/or synthetic reinforcement	1. Geometrical properties	БДС EN 544 cl.6.3
		2. Nail shank tear resistance	БДС EN 544 cl.6.4.2
		3.Tensile strength in the direction of width in the direction of height	БДС EN 544
		4. Mass of the components reinforcement - glass non-woven bitumen	БДС EN 544
		5. Resistance to blistering	БДС EN 544
		6. Flow resistance	БДС EN 544 cl.6.4.6
		7.Adhesion of mineral granules	БДС EN 544 cl.6.4.7
25.	Thermal insulating products for buildings, building equipment and industrial installations Products of mineral wools (slabs, felt, roll, mats, shells) (MW) Products of Expanded Polystyrene (EPS) Products of Extruded Polystyrene (XPS) Rigid polyurethane foam (PUR) Expanded perlite (EPB) Expanded vermiculite (EV) Polyethylene foam (PEF)	1. Density	БДС EN 1602
		2. Dimensions - deviations – tolerances thickness length width	БДС EN 823 БДС EN 822
		3. Flatness	БДС EN 825
		4. Squareness	БДС EN 824
		5.Dimensional stability under constant normal laboratory conditions	БДС EN 1603
		6. Determination of dimensional stability under specified temperature and humidity conditions	БДС EN 1604
		7. Compressive strength at 10% deformation	БДС EN 826
		8. Tensile strength perpendicular to the surface	БДС EN 1607
		9. Tensile strength parallel to surface	БДС EN 1608
		10.Flexural strength	БДС EN 12089
		11. Behaviour under point load	БДС EN 12430
		12. Water absorption during short-term immersion	БДС EN ISO 29767
		13. Long term water absorption by immersion	БДС EN ISO 16535
		14. Long term water absorption by diffusion	БДС EN ISO 16536
		15. Compressive creep	БДС EN 1606
		16. Thermal conductivity / thermal resistance	БДС EN 12667 БДС EN 12939

Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
		17. Water vapour permeability, μ	БДС EN 12086
		18.Organic content	БДС EN 13820
		19. Bulk density	БДС EN 1097-3
		20. Particle size distribution	БДС EN 933-1
		21. Water-repellence of expanded perlite	БДС EN 14316-1 Annex E
		22. Crushing resistance	БДС EN 14316-1 Annex A, Method 2
26	Flexible sheets for waterproofing – bitumen (1), plastics, rubber (2) and liquid applied coatings for: - roof - underlays of roofs and walls - damp proof coatings in wall and underground parts and buildings - water impermeable for tanks - vapour impermeable and vapour-control layers - waterproofing for use beneath ceramic tiling	1. Visible defects	БДС EN 1850-1 (1) БДС EN 1850-2 (2)
		2. Dimensions	БДС EN 1849-1 (1) БДС EN 1849-2 (2)
		3.Tensile strength longitudinal direction transverse direction	БДС EN 12311-1 (1) БДС EN 12311-2 (2)
		4. Extension longitudinal direction transverse direction	БДС EN 12311-1 (1) БДС EN 12311-2 (2)
		5.Flexibility at low temperatures	БДС EN 1109 (1) БДС EN 495-5 (2)
		6.Dimensional stability	БДС EN 1107-1 (1) БДС EN 1107-2 (2)
		7.Watertightness	БДС EN 1928 (1,2) Method A and B
		8.Resistance to impact	БДС EN 12691 (1,2)
		9.Resistance to tearing (nail shank) - longitudinal direction - transverse direction	БДС EN 12310-1 (1)
		10.Shear resistance of joints	БДС EN 12317-1 (1) БДС EN 12317-2 (2)
		11.Peel resistance of joints	БДС EN 12316-1 (1) БДС EN 12316-2 (2)
		12. Water vapour permeability, μ	БДС EN 1931+AC (1,2)
		13. Flow resistance at elevated temperature	БДС EN 1110 (1)
		14. Resistance to static loading	БДС EN 12730 (1,2)
		16. Initial tensile adhesion strength	БДС EN 14891 cl.A.6.2
		16. Tensile adhesion strength after water contact	БДС EN 14891 cl.A.6.3
		17. Tensile adhesion strength after heat ageing	БДС EN 14891 cl.A.6.5
		18. Tensile adhesion strength after freeze-thaw cycle	БДС EN 14891 cl.A.6.6
		19. Tensile adhesion strength after contact with chlorinated water	БДС EN 14891 cl.A.6.7
		20. Tensile adhesion strength after contact with lime water	БДС EN 14891 cl.A.6.9
27.	Decorative coatings for internal and external application, polymeric including water-based -paints, varnishes -primers, sealants,	1. Density	БДС EN ISO 2811-1
		2. Non-volatile-matter content	БДС EN ISO 3251
		3. Drying tests	БДС EN ISO 9117-6
		4. Adhesion/cohesion on substrate	БДС EN 4624
		5. Flow time by use of flow cup	БДС EN ISO 2431

Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
	renders and plasters based on organic binders, etc.	6. Liquid water permeability coefficient	БДС EN 1062-3
		7. Water-vapour transmission properties - water vapour transmission rate - water vapour diffusion equivalent air layer thickness - water vapour diffusion resistance factor	БДС EN ISO 7783
		8. pH value of aqueous suspension	БДС EN ISO 787-9
		9. Carbon dioxide permeability	БДС EN 1062-6
28.	Screed material and floor screeds (1) Floor screeds based on calcium sulphate (2)	1. Compressive strength	БДС EN 13892-2 (1) БДС EN 13454-2+A1 (2)
		2. Flexural strength	БДС EN 13892-2 (1) БДС EN 13454-2+A1 (2)
		3. Bond strength	БДС EN 13892-8 (1,2)
		4. Liquid water permeability	БДС EN 1062-3 (1,2)
		5. Calcium sulphate (CaSO4)	БДС EN 13279-2 (2)
		6. Setting times: initial final	БДС EN 13279-2 (2)
29.	Tile adhesives	1.Initial tensile adhesion strength	БДС EN 12004-2 cl.8.3.3.2
		2. Tensile adhesion strength after immersion in water	БДС EN 12004-2 cl.8.3.3.3
		3. Tensile adhesion strength after heat ageing	БДС EN 12004-2 cl.8.3.3.4
		4. Tensile adhesion strength after freeze-thaw cycles	БДС EN 12004-2 cl.8.3.3.5
		5. Open time - tensile adhesion strength	БДС EN 12004-2 cl.8.1
		6.Transverse deformation	БДС EN 12004-2 cl.8.6
30.	Reinforcement meshes and sealing tapes made of glass and polymer fibres	1. Mass per unit area	БДС EN 1849-1 БДС EN 1849-2
		2.Tensile strength under ambient conditions in longitudinal direction in transversal direction	БДС EN 13496
		3. Relative elongation in longitudinal direction in transversal direction	БДС EN 13496
		4. Ratio between the tensile strength and the relative elongation under ambient conditions: in longitudinal direction in transversal direction	БДС EN 13496
		5. Tensile strength after storage in aggressive medium in longitudinal direction in transversal direction	БДС EN 13496
		6. Ratio between the tensile strength and the relative elongation after storage in aggressive medium in longitudinal direction in transversal direction	БДС EN 13496

Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
31.	Grouts for tiles	1. Flexural strength under standard conditions	БДС EN 13888-2, cl.9.1
		2. Compressive strength under standard conditions	БДС EN 13888-2, cl.9.1
		3. Flexural strength after freeze-thaw cycles	БДС EN 13888-2, cl.9.1.5
		4. Compressive strength after freeze- thaw cycles	БДС EN 13888-2, cl.9.1.5
		5.Water absorption	БДС EN 13888-2, cl.9.2
32.	Adhesives and base coats for thermal insulation systems	1. Particle size distribution	БДС EN 1015-1/A1
		2. Bulk density	БДС EN 1097-3
		3. Density in hardened condition	БДС EN 1015-10/A1
		4. Open time	БДС EN 12004-2 cl.8.1
		5. Compressive strength	БДС EN 1015-11
		6. Flexural strength	БДС EN 1015-11/A1
		7. Adhesive strength on substrate	БДС EN 1015-12
		8. Tensile bond strength of base coat	БДС EN 13494
		9. Tensile bond strength to the thermal insulation material	БДС EN 13494 БДС EN 1062-11
		10. Thermal conductivity coefficient	БДС EN 12667
		11. Water absorption by capillarity	БДС EN 1015-18
		12. Consistence	БДС EN 1015-3 БДС EN 1015-4
		13. Organic content	БДС EN 13820
		14. Water vapour transmission properties: -Water vapour permeability -Water vapour transmission rate (permeability) -Water vapour resistance factor, μ	БДС EN 1015-19 БДС EN 7783
		15. Liquid water permeability	БДС EN 1062-3
33.	External thermal insulating composite systems (ETICS) based on expanded polystyrene and mineral wool	1. Thermal resistance	БДС EN ISO 10456 БДС EN ISO 6946 БДС EN 12667
		2. Tensile bond strength of the base coat to EPS, XPS and MW boards	БДС EN 13494
		3. Tensile bond strength of the adhesive to EPS, XPS and MW boards	БДС EN 13494
		4.Tensile strength of the reinforcement glass-fibre mesh, N: under ambient conditions in longitudinal/transverse direction after storage in aggressive medium in longitudinal/transverse direction	БДС EN 13496
		5. Tensile bond strength on substrate	БДС EN 13496
		6. Liquid water permeability of the system surface	БДС EN 1062-3

Type of the scope: *flexible*			
№	**Tested products**	**Type of test / characteristic**	**Testing methods (standard / validated method)**
1	2	3	4
		7. Resistance to impact	БДС EN 13497+A1
		8. Resistance to penetration	БДС EN 13498
		9. Water vapour permeability	БДС EN ISO 7783
34.	Products and systems for the protection, repair and waterproofing of concrete structures	1. Compressive strength	БДС EN 12190 БДС EN 1015-11
		2. Water vapour permeability	БДС EN ISO 7783 БДС EN 1015-19
		3. Capillary absorption, liquid-water permeability	БДС EN 13057 БДС EN 1062-3
		4. Bond strength by pull-off	БДС EN 1542
		5 Penetration	БДС EN 14630
		6. Adhesion on concrete	БДС EN 13578 БДС EN 1015-12
		7. Carbon dioxide permeability	БДС EN 1062-6
		8. Thermal compatibility - freeze-thaw cycling with de-icing salt immersion	БДС EN 13687-1
		9. Thermal compatibility - thunder- shower cycling (thermal shock)	БДС EN 13687-2
		10. Thermal compatibility - thermal cycling without de-icing salt impact	БДС EN 13687-3
		11. Thermal compatibility - resistance to temperature shock	БДС EN 13687-5
35.	Hydraulic road binders	1.Compressive strength at 7 days and 28 days	БДС EN 196-1
		2. Fineness	БДС EN 196-6 cl.5
		3.Initial setting time	БДС EN 196-3 cl.6
		4. Soundness	БДС EN 196-3 cl.7
		5. Sulphates content expressed as SO3	БДС EN 196-2 cl.4.4.2
36.	Plastic pipes and fittings for: -sewerage waters (including ones from buildings, facilities and roads -rainwater, faecal and organic) - products, which are not in contact with water for human consumption - products which are in contact with water for human consumption	1.Apperance and colour	БДС EN 12201-2 БДС EN ISO 15874-2 БДС EN ISO 1452-2 БДС EN ISO 1452-1
		2.Dimensions	БДС EN ISO 3126
		3.Melt flow rate	БДС EN ISO 1133-1
		4.Resistance to internal pressure, visually, at a given tangential stress, temperature and time, MPa	БДС EN ISO 1167-1
		5. Elongation at break	БДС EN ISO 6259-1
		6. Resistance to blow: visual damaged test samples out of total number of tested ones, %	БДС EN ISO 3127 БДС EN ISO 13263
		7.Ring stiffness	БДС EN ISO 9969
		8.Longitudinal reversion	БДС EN ISO 2505
		9. Vicat softening temperature	БДС EN ISO 2507-1
		10. Watertightness (at a given pressure, MPa)	БДС EN ISO 13254

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.*

I ORDER

To issue the certificate of accreditation reg. № 47 ЛИ/09.01.2026, valid until 29.09.2026, 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 legal entity, the head of the CAB, 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 № 47 ЛИ/01.12.2025, valid until 29.09.2026 and its enclosure – EA BAS order reg. № А 373/01.12.2025.

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

Eng. Mariya ILieva - Yordanova

Executive Director
of Executive agency Bulgarian accreditation service