SNAS SLOVENSKÁ NÁRODNÁ AKREDITAČNÁ SLUŽBA
Karloveská 63, P. O. Box 74, 840 00 Bratislava 4

CERTIFICATE
OF ACCREDITATION

No. S-045
dated 15.07.2023

The Slovak National Accreditation Service issues a Certificate of Accreditation to an accredited body pursuant to Section 26 par.6 of Act No. 53/2023 Coll. on Accreditation of Conformity Assessment Bodies (hereinafter referred to as the "Accreditation Act").

Technický a skúšobný ústav stavebný, n.o.

Studená 3, 821 04 Bratislava, Slovak Republic
ID Number: 31 821 987

Organizational unit performing the activity of the Accredited Body:
Testing Laboratory,

Workplace of the Accredited Body:
Testing Workplace Bratislava, Studená 3, 821 04 Bratislava
Testing Workplace Nové Mesto nad Váhom, Trenčianska 1875/12, 915 05 Nové Mesto nad Váhom
Testing Workplace Nitra, Braneckého 2, 949 01 Nitra
Testing Workplace Zvolen, Jesenského 15, 960 01 Zvolen
Testing Workplace Žilina, A. Rudnaya 90, 010 01 Žilina
Testing Workplace Košice, Krmanova 5, 040 01 Košice
Testing Workplace Prešov, Budovateľská 53, 080 01 Prešov
Testing Workplace Tatranská Štrba, Bellova 72/24, 059 41 Štrba - Tatranská Štrba

Identification number of the Accredited Body: 004/S-045

Area of accreditation: Testing laboratory

The testing laboratory demonstrated its competence to perform the accredited activity fulfilling the accreditation requirements of **ISO/IEC 17025: 2017** when performing tests of construction products and building structures, sampling of fresh, hardened and sprayed concrete within the accreditation scope delineated in the Annex of this Certificate of Accreditation. The Annex shall form an integral part of the Certificate of Accreditation.

Number and date of issue of the accreditation decision: No. 004/10634/2023/1 dated 29.06.2023

Validity of the accreditation decision:
The accreditation decision No. 004/10634/2023/1 dated 29.06.2023 is valid from 15.07.2023 to 20.12.2024.

The validity of this Accreditation Certificate expires upon the expiry of the accreditation decision, the decision on withdrawal of the accreditation pursuant to Section 31 or the expiry of the accreditation pursuant to Section 32 of the Accreditation Act.

Štefan Král
director

SNAS is signatory to the EA MLA and ILAC MRA.

record number: 10634/278139

TECHNICKÝ A SKÚŠOBNÝ ÚSTAV STAVEBNÝ, n. o.
BUILDING TESTING AND RESEARCH INSTITUTE

Scope of the accreditation

Name of the accredited body: **Building testing and research institute, n. o.**
Studená 3, 821 04 Bratislava, Slovakia
Testing laboratory
ID Number: 31 821 987

Laboratory branches:

Bratislava, Studená 3, 821 04 Bratislava	**BA**
Nové Mesto nad Váhom, Trenčianska 1875/12, 915 05 Nové Mesto nad Váhom	**NM**
Nitra, Braneckého 2, 949 01 Nitra	**NR**
Zvolen, Jesenského 15, 960 01 Zvolen	**ZV**
Žilina, A. Rudnaya 90, 010 01 Žilina	**ZA**
Košice, Krmanova 5, 040 00 Košice	**KE**
Prešov, Budovateľská 53, 080 01 Prešov	**PO**
Tatranská Štrba, Bellova 24, 059 41 Štrba - Tatranská Štrba	**TS**

Laboratory with fixed scope of accreditation

Item	Test object		Established method		Other specifications									Place to perform
	Subject	Property	Type	Nomenclature	Test conditions, results evaluation	Laboratory branches								
						BA	NM	NR	ZV	ZA	KE	PO	TS	
1.1	Aggregates and bulk thermal insulation materials	Particle size and content of fine grains	sieve analysis, weight measurement	STN EN 933-1		X	X	X	X		X	X		Laboratory
1.2		Flakiness index	sieve analysis, length measurement, weight measurement	STN EN 933-3		X	X	X	X			X		
1.3		Shape index	sieve analysis, length measurement, weight measurement	STN EN 933-4		X	X	X	X		X	X		
1.4		Sand equivalent	length measurement, weight measurement	STN EN 933-8+A1				X						
1.5		Evaluation of fine grains by methylene blue	visual assessment	STN EN 933-9			X				X			
1.6		Resistance to freezing and thawing	thermal stress, weight measurement	STN EN 1367-1			X	X	X			X		
1.7		Resistance to abrasion	mechanical stress, sieve analysis, weight measurement	STN EN 1097-1		X						X		
1.8		Resistance to fragmentation	mechanical stress, sieve analysis, weight measurement	STN EN 1097-2		X	X	X				X		
1.9		Bitumen number of filler aggregate	volume measurement, length measurement	STN EN 13179-2							X			
1.10		Particle density	weight measurement	STN EN 1097-6		X	X	X	X		X	X		
1.11		Water absorption	weight measurement			X	X	X	X		X	X		
1.12		Particle density of filler	weight measurement	STN EN 1097-7		X					X			
1.13		Resistance to weathering	chemical stress, weight measurement	STN EN 1367-2		X								
1.14		Delta ring and ball test	temperature measurement	STN EN 13179-1							X			
1.15		Resistance to polishing	friction measurement	STN EN 1097-8			X							
1.16		Alkali-aggregate expansion	chemical stress, titration, weight measurement, volume measurement	STN 72 1179		X								
1.17		Drying shrinkage	length measurement	STN EN 1367-4		X								

Item	Test object		Established method		Other specifications									Place to perform
	Subject	Property	Type	Nomenclature	Test conditions, results evaluation	Laboratory branch								
						BA	NM	NR	ZV	ZA	KE	PO	TS	
2.1	Cement	Compressive strength	force measurement, length measurement	STN EN 196-1	Evaluation: STN EN 197-1, STN EN 413-1 or STN EN 14216, STN EN 15743	X								Laboratory
2.2		Tensile strength in bending	force measurement, length measurement	STN EN 196-1		X								
2.3		Start of setting	time measurement	STN EN 196-3 STN EN 413-2	Evaluation: STN EN 197-1, STN EN 413-1 or STN EN 14216, STN EN 15743	X								
2.4		End of setting	time measurement	STN EN 196-3 STN EN 413-2		X								
2.5		Soundness	length measurement	STN EN 196-3		X								
2.6		Indecomposable residue content	chemical stress (precipitation), gravimetry	STN EN 196-2	Method: decomposition in HCl and Na_2CO_3 Method: decomposition in HCl a KOH Evaluation: STN EN 197-1, STN EN 413-1 or STN EN 14216, STN EN 15743	X								
2.7		Loss on ignition	gravimetry	STN EN 196-2	Evaluation: STN EN 197-1, STN EN 413-1 or STN EN 14216, STN EN 15743	X								
2.8		Sulphate content (as SO_3)	chemical stress (precipitation)	STN EN 196-2		X								
2.9		Chloride content	titration (volumetric analysis)	STN EN 196-2		X								
2.10		Fineness of grinding (sieve residue)	sieve analysis, weight measurement	STN EN 196-6	Screening method Evaluation: STN EN 413-1	X								
2.11		Carbon dioxide content	gravimetry	STN EN 196-2		X								
2.12		Alkali content	flame photometry, gravimetry	STN EN 196-2		X								
2.13		Specific surface (Blaine)	time measurement, weight measurement	STN EN 196-6	Air permeability method (Blaine's method)	X								
2.14		Content of the water-soluble chromium Cr6+	spectrophotometry after extraction	STN EN 196-10		X								
3.1	Concrete, concrete and reinforced concrete structures	Fresh concrete consistency	length measurement	STN EN 12350-2		X	X			X		X		Laboratory, in situ
3.2			length measurement	STN EN 12350-5		X				X		X		
3.3			time measurement	STN EN 12350-3		X								
3.4		Fresh concrete density	length measurement, weight measurement	STN EN 12350-6		X				X		X		
3.5		Air content in fresh concrete	pressure distribution	STN EN 12350-7		X				X		X		
3.6		Compressive strength of hardened concrete	force measurement, length measurement	STN EN 12390-3		X		X	X	X	X	X		
3.7				STN 73 1317						X		X		
3.8				STN EN 12504-1		X			X	X		X		
3.9		Flexural strength	force measurement, length measurement	STN EN 12390-5		X		X		X		X		
3.10		Tensile splitting strength	force measurement, length measurement	STN EN 12390-6		X		X		X		X		
3.11		Hardened concrete density	length measurement, weight measurement	STN EN 12390-7		X	X	X	X	X	X	X		
3.12		Depth of penetration of water under pressure	length measurement	STN EN 12390-8		X	X	X		X		X		
3.13		Freeze-thaw resistance	force measurement, thermal stress	STN 73 1322		X		X		X		X		
3.14		Resistance of cement concrete surface to water and defrosting chemicals	thermal stress, chemical stress, length measurement, weight measurement	STN 73 1326		X	X	X		X		X		
3.15		Secant modulus of elasticity in compression	force measurement, length measurement	STN EN 12930-13		X						X		
3.16		Concrete moisture content	weight measurement	STN 73 1316		X	X			X		X		
3.17		Tensile strength of surface layers of concrete	force measurement, length measurement	STN 73 6242		X				X				
3.18		Compressive strength - sclerometry	rebound number measurement	STN 73 1373 STN EN 12504-2		X				X		X		
3.19		Compressive strength of young sprayed concrete (needle penetration)	force measurement	STN EN 14488-2						X				
3.20		Compressive strength of young sprayed concrete (nail pulling)	force measurement							X				

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4.1	Fly ash for concrete, silica fume for concrete and ground granulated blast furnace slag for concrete, mortar and grout	Activity index - compressive strength	force measurement, length measurement	STN EN 196-1	Evaluation: STN EN 450-1, STN EN 13263-1 + A1, STN EN 15167-1	X								Laboratory
4.2		Fineness by wet sieving	sieve analysis, length measurement	STN EN 451-2		X								
4.3		Soundness	length measurement	STN EN 196-3		X								
4.4		Free calcium oxide content	titration (volumetric analysis)	STN EN 451-1		X								
4.5		Loss on ignition	gravimetry	STN EN 196-2		X								
4.6		Total content of silicon dioxide, aluminium oxide and ferric oxide	titration (volumetric analysis)	STN EN 196-2		X								
4.7		Total alkali content	flame photometry			X								
4.8		Active silicon dioxide content (SiO_2)	gravimetry			X								
4.9		Sulfur trioxide content	gravimetry			X								
4.10		Chloride content	titration (volumetric analysis)			X								
4.11		Active calcium oxide content (CaO)	titration (volumetric analysis)			X								
4.12		Magnesium oxide content	titration (volumetric analysis)			X								
4.13		Start of setting	time measurement	STN EN 196-3		X								
5.1	Mortar for masonry and plasters	Bulk density of hardened mortar	length measurement, weight measurement	STN EN 1015-10		X								Laboratory
5.2		Compressive strength of hardened mortar	force measurement, length measurement	STN EN 1015-11	Conditions: also after cycles according to STN 72 2452	X								
5.3		Adhesive strength of hardened mortar	force measurement, length measurement	STN EN 1015-12	Conditions: aslo after weathering cycles according to STN EN 1015-21	X								
5.4		Capillary absorption	weight measurement	STN EN 1015-18		X								
5.5		Water soluble chloride content	titration (volumetric analysis)	STN EN 1015-17		X								
5.6		Air content in fresh mortar	pressure distribution	STN EN 1015-7	Method A - Pressure method	X								
6.1	Binders, screed material and floor screeds	Compressive strength	force measurement, length measurement	STN EN 13892-2		X							X	Laboratory
6.2		Flexural strength	force measurement, length measurement	STN EN 13892-2	Screeds and screed materials	X							X	
6.3		Bond strength	force measurement, length measurement	STN EN 13892-8									X	
6.4		Impact resistance	force measurement, length measurement, visual assessment	STN EN ISO 6272-1									X	
7.1	Products and systems for the protection and repair of concrete structures	Depth of penetration	length measurement	STN EN 1504-2									X	Laboratory
7.2		Water absorption and resistance to alkali	chemical stress, weight measurement	STN EN 13580									X	
7.3		Drying speed coefficient	weight measurement	STN EN 13579									X	
7.4		Weight loss after freezing and thawing cycles	thermal stress, weight measurement	STN EN 13581									X	
7.5		Water vapour transmission	weight measurement	STN EN ISO 7783									X	
7.6		CO_2 permeability	weight measurement	STN EN 1062-6									X	
7.7		Capillary water absorption and waterproofing	weight measurement	STN EN 1062-3									X	
7.8		Resistance to temperature changes	thermal stress, force measurement, length measurement	STN EN 13687-1	Expression of results: qualitative Products for outdoor use under the influence of deicing salts								X	
7.9				STN EN 13687-2	Expression of results: qualitative Products for outdoor use under the influence of stormy rain								X	
7.10				STN EN 13687-3	Expression of results: qualitative Products for outdoor use without the influence of deicing salts								X	
7.11				STN EN 13687-5	Expression of results: qualitative Products exposed to physical effects								X	
7.12		Pull-off test to evaluate the adhesion	force measurement, length measurement	STN EN 1542		X				X			X	
7.13		Artificial ageing	thermal/chemical stress, visual assessment	STN EN 1062-11									X	
7.14		Compressive strength	force measurement, length measurement	STN EN 12190									X	
7.15		Resistance to severe chemical attack	chemical stress, length measurement	STN EN 13529	Expression of results: qualitative								X	

Item	Test object		Established method		Other specifications									Place to perform
	Subject	Property	Type	Nomenclature	Test conditions, results evaluation	Laboratory branch								
						BA	NM	NR	ZV	ZA	KE	PO	TS	
8.1	Fibres for concrete	Limit of proportionality (LOP) and residual flexural tensile strength	force measurement, length measurement	STN EN 14651		X								Laboratory
8.2		Tensile strength and flexural modulus	force measurement, length measurement	STN EN ISO 6892-1		X								
8.3		Concrete consistency	time measurement	STN EN 12350-3		X								
9.1	Natural stone products - standard tiles, slabs for floors and stairs, slabs, setts and curbs for external paving	Resistance to skidding / slipping	friction measurement	STN EN 14231	Natural stone		X							Laboratory
9.2		Freeze-thaw resistance	thermal stress, length measurement, weight measurement	STN EN 12371			X							
10.1	Concrete precast units -paving blocks, tiles and curbs	Resistance to deicing salts	thermal stress, length measurement, weight measurement	STN EN 1338 STN EN 1339 STN EN 1340	Evaluation: STN EN 1338, 5.3.2.2; STN EN 1339, 5.3.2.2; STN EN 1340, 5.3.2.2	X								Laboratory
10.2		Flexural strength	force measurement, length measurement	STN EN 1339 STN EN 1340		X								
11.1	Masonry and shuttering units and fittings	Dimensions	length measurement	STN EN 772-16	Evaluation: STN EN 771-1, STN EN 771-2, STN EN 771-3, STN EN 771-4, STN EN 771-5	X	X							Laboratory
11.2		Density	length measurement, weight measurement	STN EN 772-13	Evaluation: STN EN 771-1, STN EN 771-2, STN EN 771-3, STN EN 771-4, STN EN 771-5	X								
11.3		Compressive strength	force measurement, length measurement	STN EN 772-1 + A1	Conditions: also after the freeze-thaw cycles according to STN 72 2606 resp. STN EN 772-18	X						X		
11.4		Cohesion (initial shear strength)	force measurement, length measurement	STN EN 1052-3		X								
11.5		Tensile strength	force measurement, length measurement	STN EN 15435		X								
11.6		Flexural strength	force measurement, length measurement			X								
12.1	Ancillary components for masonry - clips, draws, hangers, brackets and bed joint reinforcement of steel mesh	Tensile properties (tensile strength, yield strength, elongation, contraction)	force measurement	STN EN ISO 6892-1		X								Laboratory
12.2		Bond strength	force measurement	STN EN 846-2 STN EN 846-5 STN EN 846-6 STN EN 846-7		X								
13.1	Mortars, adhesives and waterproofing for tiles	Tensile adhesion strength	force measurement, length measurement	STN EN 12004-2	Conditions: also after immersion in water, after storage at higher temperatures, after freeze-thaw cycles	X							X	Laboratory
13.2		Open time	time measurement	STN EN 12004-2		X							X	
13.3		Transverse deformation	length measurement	STN EN 12004-2									X	
13.4		Slip	length measurement	STN EN 12004-2		X							X	
13.5		Depth of penetration of water under pressure	length measurement	STN EN 14891									X	
14.1	Curtain wallings	Air permeability	air flow measurement	STN EN 12153	Evaluation: STN EN 12152			X						Laboratory
14.2		Watertightness	visual assessment	STN EN 12155	Evaluation: STN EN 12154			X						
14.3		Resistance to wind load	mechanical stress, length measurement	STN EN 12179	Evaluation: STN EN 13116			X						
14.4		Thermal transmittance	calculation	STN EN ISO 10077-2 STN EN ISO 12631				X						
15.1	Doors and windows	Air permeability	air flow measurement	STN EN 1026	Evaluation: STN EN 12207			X						Laboratory
15.2		Watertightness	visual assessment	STN EN 1027	Evaluation STN EN 12208			X						
15.3		Resistance to wind load	mechanical stress, length measurement	STN EN 12211	Evaluation: STN EN 12210			X						
15.5		Thermal transmittance	calculation	STN EN ISO 10077-2 STN EN ISO 10077-1				X						

Item	Test object		Established method		Other specifications									Place to perform
	Subject	Property	Type	Nomenclature	Test conditions, results evaluation	Laboratory branch								
						BA	NM	NR	ZV	ZA	KE	PO	TS	
16.1	Timber prefabricated structural elements	Timber moisture	weight measurement	STN EN 13183-1										Laboratory
				ISO 13061-1/A1 STN EN 322					X					
16.2			moisture measurement	STN EN 13183-2					X					
17.1	Timber structures	Bearing capacity and deformation	force measurement, length measurement	STN EN 380					X					Laboratory
				STN EN 26891										
17.2		Racking strength and stiffness of timber frame wall panels	force measurement, length measurement	STN EN 594					X					
18.1	Glued laminated timber and glued solid timber	Bonding strength (Wedge bond strength; Lamellas bending strength)	force measurement, length measurement	STN EN 408	Additional requirements according to STN EN 14080, Annex E				X					Laboratory
18.2		Durability of bonding strength - delamination (or Integrity of the bonded joint of lamellas of glued laminated timber and glued solid timber)	length measurement	STN EN 14080					X					
18.3		Durability of bonded joint - glued timber moisture	moisture measurement, weight measurement	STN EN 13183-2 STN EN 13183-1					X					
18.4		Durability of bonding strength - shear strength of bonded joint	force measurement, qualitative (visual assessment)	STN EN 14080					X					
19.1	Structural solid timber with wedge bond	Bonding strength (Lamellas wedge bond strength)	force measurement, length measurement	STN EN 408					X					Laboratory
19.2		Durability of bonded joint - glued timber moisture	moisture measurement, weight measurement	STN EN 13183-2 STN EN 13183-1					X					
20.1	Flat sheets of glass and safety glazing	Resistance to pendulum impact	weight measurement	STN EN 12600					X					Laboratory
21.1	Flexible sheets for waterproofing	Watertightness	visual assessment	STN EN 1928	Conditions: also after UV radiation according to STN EN 1297 and the impact of heat according to STN EN 1296, the impact of chemicals, including liquid water according to STN EN 1847, after exposure to bitumen according to STN EN 1548 according to STN EN 13859-1, 2, STN EN 13969, STN EN 13967, STN EN 13984, STN EN 14909						X		X	Laboratory
21.2		Resistance to water penetration	weight measurement	STN EN 13111	Conditions: also after UV radiation according to STN EN 1297 and the impact of heat according to STN EN 1296, according to STN EN 13859-1, -2								X	
21.3		Tensile properties (max. tensile force, elongation)	force measurement, length measurement	STN EN 12311-1	Conditions: also after UV radiation according to STN EN 1297 and the impact of heat according to STN EN 1296, according to STN EN 13859-1, -2						X		X	
21.4		Tensile properties (max. tensile force, tensile stress, elongation)		STN EN 12311-2	Conditions for plastic and rubber sheets: also after UV radiation according to STN EN 1297 and the impact of heat according to STN EN 1296								X	
21.5		Shear strength of joints	force measurement, length measurement	STN EN 12317-2	Conditions for plastic and rubber sheets: also after the impact of heat according to EN 1296, after the impact of chemicals including liquid water according to STN EN 1847									
21.6		Peel resistance of joints	force measurement, length measurement	STN EN 12316-2	Conditions for plastic and rubber sheets: also after the impact of heat according to EN 1296, after the impact of chemicals including liquid water according to STN EN 1847								X	

Item	Test object		Established method		Other specifications									Place to perform
	Subject	Property	Type	Nomenclature	Test conditions, results evaluation	Laboratory branch								
						BA	NM	NR	ZV	ZA	KE	PO	TS	
21.7	Flexible sheets for waterproofing	Flexibility at low temperature	visual assessment	STN EN 1109	Conditions: also after the impact of heat according to STN EN 1296						X		X	Laboratory
21.8				STN EN 495-5	Conditions for plastic and rubber roof sheets: also after the impact of heat according to EN 1296								X	
21.9		Impact resistance	visual assessment	STN EN 12691									X	
21.10		Resistance to tearing	force measurement	STN EN 12310-1	Conditions: also after the impact of heat according to STN EN 1296, STN EN 13859-1, -2						X		X	
21.11				STN EN 12310-2	For plastic and rubber roof sheets								X	
21.12		Resistance to static loading	visual assessment	STN EN 12730									X	
21.10		Resistance to tearing	force measurement	STN EN 12310-1	Conditions: also after the impact of heat according to STN EN 1296, STN EN 13859-1, -2						X		X	
21.11				STN EN 12310-2	For plastic and rubber roof sheets								X	
21.12		Resistance to static loading	visual assessment	STN EN 12730									X	
21.13		Water vapour transmission	weight measurement	STN EN ISO 12752	Conditions: also according to STN EN 13859-1, -2								X	
21.14				STN EN 1931	Conditions: also after the impact of heat according to STN EN 1296, STN EN 13984, according to STN EN 13859-1, -2								X	
21.15		Flow resistance at elevated temperature	visual assessment	STN EN 1110	For bitumen sheets						X			
21.16		Dimensional stability	length measurement	STN EN 1107-2	For plastic and rubber sheets								X	
21.17		Mass per unit area, thickness	length measurement, weight measurement	STN EN 1849-1	For bitumen sheets						X			
21.18				STN EN 1849-2	For plastic and rubber sheets						X		X	
22.1	Reinforcing bars, rods, welded meshes and spatial (latticed) reinforcement	Dimensions	length measurement	STN EN ISO 15630-1								X		Laboratory
22.2		Bend and rebend	visual assessment	STN EN ISO 15630-1	Conditions: after artificial ageing at 100 °C	X						X		
22.3		Anchorage strength	force measurement	STN EN 10080 ISO 10406-1		X								
22.4		Tensile properties (tensile strength, yield strength, elongation)	force measurement	STN EN ISO 15630-1		X						X		
22.5				STN EN ISO 15630-2		X						X		
22.6		Tensile properties (tensile strength, elongation, modulus of elasticity)	force measurement	ISO 10406-1		X								
22.7		Shear strength of welded joint	force measurement	STN EN ISO 15630-2		X						X		
22.8		Nominal mass	weight measurement	STN EN 10080		X						X		
23.1	Prestressing products - wires, ropes and rods, plastic coatings of ropes	Tensile properties (tensile strength, yield strength, elongation, modulus of elasticity)	force measurement, length measurement	STN EN ISO 15630-3		X								Laboratory
23.2		Relaxation	force measurement, length measurement			X								
23.3		Nominal mass per metre	weight measurement			X								
23.4		Stress corrosion test in a solution of thiocyanate	chemical stress, force measurement, length measurement	STN EN ISO 15630-3		X								
23.5		Deflected tensile test	force measurement, length measurement	STN EN ISO 15630-3		X								
23.6		Static watertightness	weight measurement	XP A 35-037-1		X								
23.7		Friction between the strand and sheathing	force measurement, length measurement			X								
23.8		Impact resistance	visual assessment			X								

Item	Test object		Established method		Other specifications									Place to perform
	Subject	Property	Type	Nomenclature	Test conditions, results evaluation	Laboratory branch								
						BA	NM	NR	ZV	ZA	KE	PO	TS	
24.1	Thermal insulation products	Length and width	length measurement	STN EN 822	Flat test specimens			X					X	Laboratory
24.2		Thickness		STN EN 823	Flat test specimens			X					X	
24.3				STN EN 12431	Specific loading conditions			X						
24.4		Squareness	length measurement	STN EN 824	Flat test specimens			X						
24.5		Flatness	length measurement	STN EN 825	Flat test specimens			X						
24.6		Density	length measurement, weight measurement	STN EN ISO 29470	Flat test specimens	X		X					X	
24.7		Compressive properties (compressive strength, compression, stress at 10% compression modulus of elasticity)	force measurement, length measurement	STN EN 826				X					X	
24.8		Dimensional stability under specified temperature and humidity conditions	length measurement	STN EN 1604				X						
24.9		Deformation under specified compressive load and temperature conditions	length measurement	STN EN 1605				X						
24.10		Tensile strength perpendicular to faces	force measurement, length measurement	STN EN 1607	Conditions: also after the climatic stress according to 2.2.14.2 EAD 040083-00-0404	X		X						
24.11		Short term water absorption	time measurement, length measurement, weight measurement	STN EN ISO 29767	Flat test specimens			X						
24.12		Water vapour transmission		STN EN 12086	Flat test specimens			X					X	
24.13		Long term water absorption		STN EN ISO 16535				X						
24.14		Bending properties (bending strength, bending stress, deflection	force measurement, length measurement	STN EN 12089				X						
24.15		Shear properties (shear strength, shear modulus	force measurement, length measurement	STN EN 12090		X		X						
24.16		Deformation	length measurement	STN EN 12430				X						
24.17		Thermal resistance	density of the heat flow measurement	STN EN 12667				X						
24.18		Thermal conductivity						X						
25.1	Thermal insulation systems ETICS	Hygrothermal behaviour	temperature measurement, moisture measurement	EAD 040083-00-0404 EAD 040089-00-0404 EAD 040287-00-0404 EAD 040427-00-0404 EAD 040465-00-0404		X								Laboratory
25.2		Water absorption - capillarity test	weight measurement	EAD 040083-00-0404 EAD 040089-00-0404 EAD 040287-00-0404 EAD 040427-00-0404 EAD 040465-00-0404		X							X	
25.3		Resistance to hard body impact	length measurement	EAD 040083-00-0404 EAD 040089-00-0404 EAD 040465-00-0404		X								
25.4		Water vapour permeability	time measurement, length measurement, weight measurement	EAD 040083-00-0404 EAD 040089-00-0404 EAD 040465-00-0404	Conditions: EAD 040083-00-0404, 2.2.9	X							X	
25.5		Bond strength	force measurement, length measurement	EAD 040083-00-0404 EAD 040089-00-0404 EAD 040287-00-0404 EAD 040427-00-0404 EAD 040465-00-0404	Conditions: also according to EAD 040083-00-0404, 2.2.20.1 and 2.2.20.2; after hygrothermal cycles according to EAD 040083-00-0404, 2.2.6; after the freeze-thaw cycles according to EAD 040083-00-0404, 2.2.7; after soaking and drying according to- EAD 040083-00-0404, 2.2.11.2 or 2.2.11.3	X							X	

Item	Test object		Established method		Other specifications									Place to perform
	Subject	Property	Type	Nomenclature	Test conditions, results evaluation	Laboratory branch								
						BA	NM	NR	ZV	ZA	KE	PO	TS	
25.6	Thermal insulation systems ETICS	Pull-through test of fixings	force measurement	EAD 040083-00-0404 EAD 040089-00-0404 EAD 040465-00-0404		X								Laboratory
25.7		Static test of the foam block	force measurement, length measurement	EAD 040083-00-0404 EAD 040089-00-0404 EAD 040465-00-0404		X								
25.8		Tensile properties of reinforcing mesh	force measurement, length measurement	EAD 040016-00-0404 EAD 040083-00-0404	Conditions: in the state of delivery; after ageing according to EAD 040016-00-0404, EAD 040083-00-0404								X	
25.9		Render strip tensile test	length measurement	EAD 040083-00-0404 EAD 040465-00-0404									X	
25.10		Static modulus of mortar strip	force measurement, length measurement	EAD 040083-00-0404 EAD 040287-00-0404 EAD 040427-00-0404									X	
25.11		Ash content	gravimetry, weight measurement	EAD 040083-00-0404 EAD 040089-00-0404 EAD 040287-00-0404 EAD 040427-00-0404 EAD 040465-00-0404		X							X	
25.12		Dry matter content		EAD 040083-00-0404 EAD 040089-00-0404 EAD 040287-00-0404 EAD 040427-00-0404 EAD 040465-00-0404		X								
25.13		Particle size	sieve analysis, weight measurement	EAD 040083-00-0404 EAD 040089-00-0404 EAD 040287-00-0404 EAD 040427-00-0404 EAD 040465-00-0404		X								
25.14		Density	length measurement, weight measurement	EAD 040083-00-0404 EAD 040089-00-0404 EAD 040287-00-0404 EAD 040427-00-0404 EAD 040465-00-0404		X								
25.15		Deformation	length measurement	EAD 040083-00-0404 EAD 040465-00-0404		X								

Item	Test object		Established method		Other specifications									Place to perform
	Subject	Property	Type	Nomenclature	Test conditions, results evaluation	Laboratory branch								
						BA	NM	NR	ZV	ZA	KE	PO	TS	
26.1	Paints and varnishes	Non-volatile-matter content	weight measurement	STN EN ISO 3251									X	Laboratory
26.2		Film thickness	length measurement	STN EN ISO 2808	Method 4A (difference in thickness)								X	
					Method 4B (fathometer)								X	
					Method 6B (V-cut)								X	
					Method 7B.2 (magnetic induction)								X	
					Method 7C (eddy currents)								X	
26.3		Buchholz hardness	length measurement	STN EN ISO 2815									X	
26.4		Corrosion resistance	chemical stress, visual assessment	STN EN ISO 6270-1	Continuous condensation Conditions: also according to STN EN 12944-6; Evaluation according to STN EN 12944-6								X	
26.5			chemical stress, visual assessment	STN EN ISO 9227	Salt chamber Conditions: also according to STN EN 12944-6; Evaluation according to STN EN 12944-6								X	
26.6			visual assessment	STN EN ISO 2812-1	Resistance to liquids Conditions: also according to STN EN 12944-6; Evaluation according to STN EN 12944-6								X	
26.7			visual assessment	STN EN ISO 2812-2	Method of immersion to water Conditions: also according to STN EN 12944-6; Evaluation according to STN EN 12944-6								X	
26.8			chemical stress, thermal stress, visual assessment	STN EN 12944-6	Cyclic ageing Evaluation according to STN EN 12944-6								X	
26.9		Pull-off test for adhesion	force measurement, length measurement	STN EN ISO 4624									X	
26.10		Water absorption	weight measurement	STN EN 927-5	Evaluation: STN EN 927-2								X	
26.11		Resistance to weathering	visual assessment	STN EN 927-3	Evaluation: STN EN 927-2								X	
26.12		Adhesion - Cross-cut test	visual assessment	STN EN ISO 2409									X	
27.1	Surface treatment of components and structures	Adhesion of building construction coating to the base	force measurement, length measurement	STN 73 2577		X			X	X			X	Laboratory
27.2		Watertightness of surface finish of building structures	length measurement	STN 73 2578									X	
27.3		Frost resistance of surface finish of building structures	force measurement, length measurement	STN 73 2579									X	
28.1	Bituminous mixtures	Affinity between aggregate and bitumen	visual assessment	STN EN 12697-11							X			Laboratory
29.1	Bitumen and bituminous binders	Softening point	temperature measurement	STN EN 1427							X			Laboratory
29.2		Needle penetration	length measurement	STN EN 1426							X			
29.3		Cohesion of bituminous binders	plane angle measurement	STN EN 13588							X			
30.2	Building structures and components	Dimensions	length measurement	STN EN 846-11	For ancillary components for masonry - lintels	X								Laboratory, in situ
30.3		Bearing capacity	force measurement, length measurement	STN 73 2030	For building structures	X								
30.4				STN EN 124-1	For manhole tops and gully tops							X		
30.5				STN EN 846-9	For ancillary components for masonry - lintels	X								
31.1	Bridges	Bearing capacity	load test (length measurement)	STN 73 6209		X						X		In situ
31.2		Dynamic stiffness	load test (length measurement)	STN ISO 4866 STN EN 1990		X								
32.1	Pile foundations and ground rock anchors	Bearing capacity	load test (force measurement, length measurement)	STN 73 1002	For pile foundations generally Evaluation: STN 73 1002							X		In situ
32.2				STN EN 14199	For micropiles Evaluation: STN 73 1002							X		
32.3				STN EN 1536	For bored piles Evaluation: STN 73 1002							X		
32.4				STN EN 1537	For ground rock anchors							X		

Item	Test object		Established method		Other specifications									Place to perform
	Subject	Property	Type	Nomenclature	Test conditions, results evaluation	Laboratory branch								
						BA	NM	NR	ZV	ZA	KE	PO	TS	
33.1	Road traffic noise reducing devices	Danger of falling debris	length measurement, visual assessment	STN EN 1794-2		X								Laboratory
33.2		Resistance to impact of stones	length measurement	STN EN 1794-1		X								
34.1	Soils	Concretion degree	load test (force measurement, length measurement)	STN 73 6190						X				In situ
34.2		Bearing capacity	load test (length measurement)	STN 73 6192						X				
35.1	Small wastewater treatment systems for up to 50 PT and water and sewage tanks	Watertightness	visual assessment, length measurement, volume measurement	STN EN 12566-1 STN EN 12566-3						X				Laboratory, in situ
35.2			length measurement	STN 75 0905						X				
36.1	Sealants	Elastic recovery	length measurement	STN EN ISO 7389									X	Laboratory
36.2		Resistance to flow in the groove	length measurement	STN EN ISO 7390									X	
36.3		Tensile properties at maintained extension	mechanical stress, visual assessment	STN EN ISO 8340	Conditions also according to STN EN 15651-1, 2, 4								X	
36.4		Adhesion/cohesion at constant temperature	mechanical stress, visual assessment	STN EN ISO 9046									X	
36.5		Adhesion/cohesion at variable temperatures	mechanical stress, thermal stress, visual assessment	STN EN ISO 9047									X	
36.6		Adhesion/cohesion at maintained extension after immersion in water	mechanical stress, visual assessment	STN EN ISO 10590									X	
36.7		Adhesion/cohesion after immersion in water - relative elongation	mechanical stress, visual assessment	STN EN ISO 10591									X	
36.8		Change in volume	thermal stress, weight measurement	STN EN ISO 10563									X	
36.9		Secant modulus	force measurement, length measurement	STN EN ISO 8339	Conditions also according to STN EN 15651-1, 2, 4								X	
36.10		Elongation at break	force measurement, length measurement	STN EN ISO 8339									X	
37.1	Plastics	Tensile properties (tensile strength, elongation)	force measurement, length measurement	STN EN ISO 527-1 STN EN ISO 527-2 STN EN ISO 527-3	Conditions: also after thermal ageing; after chemical exposure								X	Laboratory
38.1	Mixing water for concrete	Compressive strength	force measurement, length measurement	STN EN 196-1	Conditions and evaluation: according to STN EN 1008	X								Laboratory
38.2		Start of setting	time measurement	STN EN 196-3 STN EN 413-2	Conditions and evaluation: according to STN EN 1008	X								
38.3		End of setting	time measurement	STN EN 196-3 STN EN 413-2		X								
38.4		Sulphate content (SO_3)	chemical stress (precipitation), gravimetry	STN EN 196-2		X								
38.5		Alkali content	flame photometry	STN EN 196-2	Evaluation: STN EN 1008	X								
39.1	Construction products	Reaction to fire	measurement of skills to contribute to the spread of fire	STN EN ISO 527-1 STN EN ISO 527-2 STN EN ISO 527-3	Conditions: also after thermal ageing; after chemical exposure								X	Laboratory

Item	Test object			Established method		Other specifications
	Subject	Property	Place of sampling	Type	Nomenclature	
1	Fresh concrete	Items 3.1 to 3.6, 3.8 to 3.16	in situ	sampling with the scoop or with similar sampling device into containers resistant to cement paste	STN EN 12350-1	LB Bratislava
		Items 3.1 to 3.16				LB Žilina
2	Hardened concrete	Items 3.6, 3.8 to 3.16	in situ	core drilling	STN EN 12504-1	LB Bratislava
		Items 3.1 to 3.16				LB Žilina
3	Sprayed concrete	Items 3.19, 3.20	in situ	core drilling	STN EN 14488-1	LB Žilina

Sampling for the performance tests specified in the scope of accreditation in items 3.1 to 3.16, 3.19, 3.20, and non-accredited tests.