SNAS SLOVENSKÁ NÁRODNÁ AKREDITAČNÁ SLUŽBA

CERTIFICATE
OF ACCREDITATION

No. K-018
dated 08.10.2026

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 967/3, 821 04 Bratislava – mestská časť Ružinov
ID Number: 31 821 987

Organizational unit performing the activity of the Accredited Body:
Metrological laboratory

Workplace of the Accredited Body:
Studená 967/3, 821 04 Bratislava – mestská časť Ružinov

Identification number of the Accredited Body: 004/K-018

Area of accreditation: Calibration laboratory

The accredited body demonstrated its competence to perform the accredited activity fulfilling the accreditation requirements of **ISO/IEC 17025: 2017** when performing calibration of measuring instruments of length: test sieves, steel pocket rules, vernier callipers, dial gauges, electrical displacement transducers, handheld laser distance meters and light dynamic plates; calibration of mechanical measuring instruments: compressive and tensile force testing machines, tensioning machines for manufacture of pre-stressed concrete and dynamometers, instruments for measuring of air content in the fresh concrete and measuring instruments of hardness: concrete test hammers Schmidt type 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. 004/12802/2026/1 dated 22.09.2026

Validity of the accreditation decision:
The accreditation decision No. 004/12802/2026/1 dated 22.09.2026 take effect on 08.10.2026 and is valid until 21.12.2029.

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Štefan Král
director

SNAS is signatory to the EA MLA and ILAC MRA.

record number: 12802/718605

Annex to the Certificate of Accreditation No. K-018 dated 08.10.2026.

The Annex is an integral part of the Certificate of Accreditation

Scope of Accreditation

Accredited body: Technický a skúšobný ústav stavebný, n.o.
Studená 967/3, 821 04 Bratislava – mestská časť Ružinov, Slovak Republic

Organizational unit performing the activity of the accredited body:
Metrology laboratory

Place of performance of the accredited body:
Studená 967/3, 821 04 Bratislava – mestská časť Ružinov, Slovak Republic

Identification number of the accredited body: 004/K-018

Laboratory with fixed scope

Item	Kind of measuring instrument/, measurement means	Measured quantity	Measuring range	Expanded uncertainty U (k=2)		Established methods		Other specification
						Kind/ Principle	Identification	
1.1	Test sieves of metal wire cloth, perforated metal plate and electroformed foil	Length	w (0,02 to 3,55) mm	($0,6 + 4,9 \cdot w$) µm where w is the aperture size of the sieve in mm		Sieving of test material	MPI-101 (STN ISO 3310-1 STN ISO 3310-2 STN ISO 3310-3 STN EN 933-3)	1)
			w (4,0 to 7,1) mm	8,0 µm		Direct optical measurement		
			w (8 to 125) mm	24,0 µm		Direct measurement with calliper		
	Harp sieves		slot (2,5 to 40,0) mm					
1.2	Steel measuring tapes (bands)	Length	up to 50 m	($0,14 + 0,03 \cdot L$) mm where L is the numerical value of the length in meters		Direct comparison measuring instrument with reference standard, measuring error is determined using a microscope with electronic readout	MPI-105 (STN 99 1005)	2)
1.3	Callipers	Length	up to 650 mm	with Vernier scale	0,1 mm, for division 0,10 mm	Direct comparison with gauge blocks	MPI-106 (STN EN ISO 13385-1 STN EN ISO 13385-2 STN 99 0652 STN EN 933-4)	in the laboratory and on site
					0,05 mm, for division 0,05 mm			
					0,02 mm, for division 0,02 mm			
					0,01 mm, for division 0,01 mm			
				Digital	0,05 mm, for digit 0,1 mm			
					5 µm, for digit 0,01 mm			
					0,6 µm, for digit 0,001 mm			
1.4	Dial gauges	Length	up to 100 mm	3,0 µm for division 0,01 mm		Direct measurement with calibrator	MPI-107 (STN EN ISO 14978 STN EN ISO 463)	
				1,7 µm for division 0,001 mm				

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Item	Kind of measuring instrument/, measurement means	Measured quantity	Measuring range	Expanded uncertainty U (k=2)	Established methods		Other specification
					Kind/ Principle	Identification	
1.5	Electric length sensors	Length	up to 600 mm	2,8 µm for reference standard with division 0,001 mm 12 µm for reference standard with division 0,01 mm	Direct measurement with calibrator, in the case of an electrical output, determination of the sensor calibration constant	MPI-108 (STN EN ISO 14978 STN EN ISO 463 STN EN ISO 9513)	in the laboratory and on site
1.6	Handheld laser distance meters	Length	(0,25 to 25,00) m	(0,62 + 0,011 . L) mm for division 1 mm, (0,26 + 0,018 . L) mm for division 0,1 mm, where L is the numerical value of the length in meters	Direct comparison measuring instrument with reference steel measuring tape	MPI-112 (ISO 16331-1)	
1.7	Light dynamic plates	Length	(0,1 to 4,0) mm (1 to 10) kN (1 to 40) ms	0,007 mm 0,012 kN 0,033 ms	Comparison of the calibration instrument reading with maximum of time record deformation, measuring of maximum and force pulse width from the force time record	MPI-113 (STN 73 6192)	
2.1	Compressive and tensile force testing machines	Force	(14 to 100) N	0,06 % tension 0,06 % compression	Direct comparison force measuring instrument with force reference sensors	MPI-102 (STN EN ISO 7500-1 STN EN 12390-4)	in the laboratory and on site 3)
			(100 to 2000) N	0,03 % tension 0,03 % compression			
			(2 to 500) kN	0,06 % tension			
			(2 to 5000) kN	0,06 % compression			
2.2	Tensioning machines for manufacture of pre-stressed concrete	Force	20 kN to 5 MN	0,28 %	Direct comparison force measuring instrument with force reference sensors, in the case units other than Newtons, calibration equation shall be established	MPI-103 (STN 73 2401 STN 99 4802)	in the laboratory and on site 4)
2.3	Dynamometers, force sensor	Force	(14 to 100) N	0,06 % tension 0,06 % compression	Direct comparison force measuring instrument with force reference sensors, in the case units other than Newtons, calibration equation shall be established	MPI-110 (STN EN ISO 376)	in the laboratory and on site
			(100 to 2000) N	0,03 % tension 0,03 % compression			
			(2 to 500) kN	0,06 % tension			
			(2 to 5000) kN	0,06 % compression			
2.4	Instruments for measuring of air content in the fresh concrete	Volume	volume (1 to 10) dm³	0,007 dm³	Gravimetric method, weighing the water in test container	MPI-111 (STN EN 12350-7)	
			air content (0 to 10) %	0,02 % air content			

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Item	Kind of measuring instrument/, measurement means	Measured quantity	Measuring range	Expanded uncertainty U (k=2)	Established methods		Other specification
					Kind/ Principle	Identification	
3.1	Concrete test hammers Schmidt type	Hardness	impact energy 0,735 J to 2,207 J	0,6 division	Determination of the rebound on the reference anvil	MPI-104 (STN EN 12504-2 STN 73 1373)	5)

NOTES:

1) Annex No. 6 to Decree of the ÚNMS SR no. 161/2019 Coll. and item no. 1.1.4 from Annex no. 1 to decree no. 161/2019 Coll. on measuring devices and metrological control.
2) Annex No. 3 to Decree of the ÚNMS SR no. 161/2019 Coll. and item no. 1.1.1 a) from Annex no. 1 to decree no. 161/2019 Coll. on on measuring devices and metrological control.
3) Annex No. 39 to Decree of the ÚNMS SR no. 161/2019 Coll. and item no. 2.4.1 from Annex no. 1 to decree no. 161/2019 Coll. on measuring devices and metrological control.
4) Annex No. 41 to Decree of the ÚNMS SR no. 161/2019 Coll. and item no. 2.4.5 from Annex no. 1 to decree no. 161/2019 Coll. on measuring devices and metrological control.
5) Annex No. 40 to Decree of the ÚNMS SR no. 161/2019 Coll. and item no. 2.4.4 from Annex no. 1 to decree no. 161/2019 Coll. on measuring devices and metrological control.

- MPI – internal metrological regulation,
- relative uncertainties are given in % of the measured value,
- unless stated otherwise in the Other Specifications column, calibrations are performed on the premises of the laboratory.

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