

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

Institut pro testování a certifikaci, a.s.
Construction Testing Laboratory Zlín
K Cihelně 304, 764 32 Zlín – Louky

Testing laboratory locations:

- | | | |
|-----------|--|-------------------------------------|
| 1 | Construction Testing Laboratory | K Cihelně 304, Zlín - Louky |
| 2. | Construction Testing Laboratory | třída Tomáše Bati 5264, 760 01 Zlín |

The laboratory has a flexible scope of accreditation permitted as detailed in the Annex.

Updated list of activities carried out within the required flexible scope of accreditation is available on the laboratory website www.itczlin.cz.

The Laboratory provides expert opinions and interprets test results.

1. Construction Testing Laboratory

Tests:

Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
Thermal engineering tests			
T1	Determination of thermal resistance, thermal transmittance factor, thermal conductivity factor Hot plate method	ISO 8302 ISO 10291 ČSN EN 674 ČSN EN 1946-2 ČSN EN 12664 ČSN EN 12667 ČSN EN 12939 P 07 1008 (ISO 8302, ČSN EN 674)	Building materials, building structures and insulation glass
T2	Measurement of surface temperatures of thermal crossings	ČSN 73 0546	Building structures, doors and windows
T3	Test of dew point, determination of dimensions, shape and quantity of defects, long-term test of moisture penetration and gas concentration	ČSN EN 1279-1, art. 6.3 ČSN EN 1279-2 ČSN EN 1279-3, art. 6 ČSN EN 1279-6, art. B.4 P 07 1064 (ČSN EN 1279-3, art. 6.3.4)	Insulation glass
T4	Determination of thermal resistance, thermal transmittance factor Hot-box method	ČSN EN ISO 12567-1 ČSN EN 1946-4 ČSN EN 12412-2 ČSN EN 12412-4 ČSN EN ISO 8990 ČSN EN ISO 12567-2	Building materials and structures, doors and windows

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Acoustics tests			
A1	Laboratory measurement of airborne sound insulation	ČSN EN ISO 10140-2 ČSN EN ISO 10140-1 ČSN EN ISO 10140-4 ČSN EN ISO 717-1 ČSN EN 1793-2 ČSN EN 16272-2 ČSN EN 16272-3-1, art. 6 ASTM E413 ASTM E1332	Building structures and materials, doors and windows
A2*	Measurement of sound insulation	ČSN EN ISO 16383-1 ČSN EN ISO 717-1	Building structures, doors and windows
		ČSN EN ISO 11957, except art. 6 ČSN EN ISO 11546-1, except art. 7.3 ČSN EN ISO 11546-2	Booths, covers
A3*	Measurement of airborne sound insulation of façades and façade elements	ČSN EN ISO 16283-3 ČSN EN ISO 717-1	Façades, doors and windows
A4*	Measurement of impact sound insulation	ČSN EN ISO 10140-3 ČSN EN ISO 10140-1 ČSN EN ISO 10140-4 ČSN EN ISO 16283-2 ČSN EN ISO 717-2	Floor structures
A5	Measurement of improvement of impact sound insulation of floors	ČSN EN ISO 10140-1, Annex H ČSN EN ISO 717-2	Floors, floor coverings
A6*	Measurement of reverberation time in enclosed spaces	ČSN EN ISO 3382-2 ČSN EN ISO 354, art. 7	Enclosed spaces and rooms
A7	Determination of sound absorption coefficient	ČSN EN ISO 354 ČSN EN 1793-1 ČSN ISO 10534-1 ČSN EN ISO 11654 ČSN EN 16272-1 ČSN EN 16272-3-1, art. 5	Sound absorbing materials and structures
A8	Determination of dynamic stiffness of insulating mats	ČSN ISO 9052-1	Insulating materials
A9	Reserved		

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A10*	Measurement of sound, sound pressure level	ČSN ISO 1996-1 ČSN ISO 1996-2 ČSN EN ISO 9612 ČSN EN ISO 16032 MoH CR Bulletin, Part 4/2013, art. 4 ³ MoH CR Bulletin, Part 11/2017, art. 1 ³	Outdoor and indoor environment, technical equipment in buildings
Tests of hole fillings			
V1*	Determination of distances and geometrical properties	ČSN EN 951 ČSN EN 952	Doors and windows
V2	Determination of resistance to vertical load	ČSN EN 947 ČSN EN 14608	Doors and windows
V3	Determination of the resistance to static torsion	ČSN EN 948 ČSN EN 14609	Doors and windows
V4*	Determination of resistance to impact load	ČSN EN 949 ČSN EN 950 ČSN EN 13049 ČSN 73 2035 ČSN EN 14019 ČSN EN 1873+A1, art. 6.5.1 ČSN EN 14963, art. 6.4.2.1, 6.4.2.2	Building structures, doors and windows
V5	Repeated opening and closing test	ČSN EN 1191 DIN 18055:1981, art. 3.4.3	Doors and windows
V6	Determination of resistance to wind load	ČSN EN 12211 ČSN EN 12179 ČSN EN 1873+A1, art. 6.4.1 ČSN EN 14963, art. 6.4.1	Doors and windows, building structures, building components
		ČSN EN 12444 ČSN EN 1932 ed.2	Doors and windows, building structures, building components
V7	Air permeability test	ČSN EN 1026 ČSN EN 12153 ČSN EN 12427 ČSN EN 1873+A1, art. 6.7 ČSN EN 12114	Doors and windows, building structures, building components

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V8*	Water tightness test	ČSN EN 1027 ČSN EN 12489 ČSN EN 12155 ČSN EN 12865 ČSN EN 13051 ČSN EN 1873+A1, art. 6.4 ČSN EN 14963, art. 6.3	Doors and windows, building structures, building components
V9*	Force test	ČSN EN 12046-2 ČSN EN 12194 ČSN EN 13527 ČSN EN 12453 ČSN EN 12046-1 ČSN EN 16005	Doors and windows
V10*	Testing of mechanical properties of gates	ČSN EN 12605:2001 art. 5.1, 5.2 ČSN EN 12604+A1	Gates
Finishing work tests			
D1	Determination of dimensions	ČSN EN 1849-1 ČSN EN 1849-2 ČSN EN 1848-1 ČSN EN 1848-2 ČSN EN 544 ed. 2, art. 6.3	Roofing materials, waterproofing materials
		ČSN 64 0181, Method A	Sheets
		ČSN EN 823 ČSN EN 822	Insulating materials
D2	Determination of dimensional and curling	ČSN 64 0610	Sheets
		ČSN EN 1107-1 ČSN EN 1107-2	Roofing materials, waterproofing materials
		ČSN 64 5405 ČSN EN 1604 ČSN EN 1603	Insulating materials
		ČSN EN ISO 22635 ČSN EN ISO 22633	Adhesives
		ČSN EN 12808-4	Grouts, adhesives
		ČSN EN 13872 ČSN EN 13454-2, art. 5.5	Floor coverings
D3	Determination of mass per unit area	ČSN EN ISO 23997	Floorings
		ČSN EN 1849-1 ČSN EN 1849-2	Roof materials, waterproofing materials

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D4	Determination of water absorption	ČSN EN ISO 62	Sheets, roofing materials, waterproofing materials, floor coverings and composite materials
		ČSN EN ISO 29767 ČSN EN ISO 16535	Insulating materials
		ČSN EN 14223	Waterproofing materials
		ČSN EN 544 ed. 2, art. 6.4.3	Roofing materials, waterproofing materials
		ČSN EN 1062-3 ČSN EN 15801 ČSN EN 16581, art. 10.1, 10.2	Surface finish, waterproofing materials, grouts, paints and varnishes
		ČSN EN 12808-5	Grouts, adhesives
		ČSN EN 1015-18	Mortars
D5	Determination of flexibility	ČSN EN 495-5 ČSN EN 1109	Roofing materials, waterproofing materials
D6	Determination of tensile properties	ČSN EN ISO 527-1 ČSN EN ISO 527-2 ČSN EN ISO 527-3	Floor coverings, plastics, sheets
		ČSN EN ISO 1798	Insulating materials
		ČSN EN 12311-1 ČSN EN 12311-2 ČSN EN 12310-1 ČSN EN 12310-2	Roofing materials, waterproofing materials
		ČSN EN ISO 22632 ČSN EN 1465 ČSN EN 205	Adhesives
		ČSN EN 12317-1 ČSN EN 12317-2 ČSN EN 12090	Roof materials, waterproofing materials Insulating materials
D8	Determination of peeling resistance	ČSN EN ISO 22631 ČSN EN 28510-1 ČSN EN ISO 8510-2	Adhesives
		ČSN EN 12316-1 ČSN EN 12316-2	Roof materials, waterproofing materials
		ČSN EN ISO 4624 ČSN 73 2577 ČSN 73 2579 ČSN EN 1542 ČSN EN 13687-3	Paints and varnishes Surface finish, waterproofing materials, floor coverings and composite materials,

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		ČSN EN 13408	adhesives, grouts
		ČSN EN 13892-8	
		ČSN EN 12004-2, art. 8.1, 8.3, 8.4, 8.5	Grouts, adhesives
		ČSN EN 1015-12	Mortars
		ČSN EN 1607	Insulating materials
		ČSN EN ISO 17178, art. 4.3	Adhesives
D10	Determination of wear resistance	ČSN 73 1324	Concrete, screed and composite materials
		ČSN EN 13892-3	
		ČSN EN 1338, Annex H	Paving
		ČSN EN 1339, Annex H	
D11	Determination of compressive strength	ČSN EN ISO 604	Screed and composite materials
		ČSN EN 13892-2	
		ČSN EN 826	Insulating materials
		ČSN EN 12190	Mortar, concrete, screed
		ČSN EN 12808-3	Grouts, adhesives
		ČSN EN 1015-11	Mortars
D12	Determination of bending strength	ČSN EN 12808-3	Grouts, adhesives
		ČSN EN ISO 178	Screed and composite materials
		ČSN EN 13892-2	
		ČSN EN 1015-11	Mortars
		ČSN EN 12089, Method B	ing materials
D13	Determination of density and bulk density	ČSN EN 1602	Insulating materials
		ČSN EN 1015-10	Mortars
		ČSN EN 1015-6, art. 7.2.2, 7.2.3	
D14	Determination of resistance to flow	ČSN EN ISO 7390	Sealants
D15	Determination of change in mass and volume of sealants	ČSN EN ISO 10563	Sealants
D16	Determination of tensile properties of sealants	ČSN EN ISO 8339	Sealants
D17	Determination of elastic recovery	ČSN EN ISO 7389	Sealants
D18	Determination of tensile properties at maintained extension	ČSN EN ISO 8340	Sealants

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D19	Determination of adhesion and cohesion at maintained extension after immersion in water	ČSN EN ISO 10590	Sealants
D20	Determination of adhesion and cohesion of sealants	ČSN EN ISO 10591 ČSN EN ISO 9046 ČSN EN ISO 9047	Sealants
D21	Determination of watertightness	ČSN 73 2578 ČSN EN 16302 ČSN EN 16581, art. 10.7, 10.8	Surface finish, waterproofing materials
		ČSN EN 13111 ČSN EN 1928	Roof materials, waterproofing materials
D22	Determination of water vapour transmission properties	ČSN EN ISO 12572 ČSN 72 7030 ČSN EN 15803 ČSN EN 16581, art. 10.3, 10.4	Building materials
		ČSN EN ISO 7783 ČSN 73 2580	Paints and varnishes Surface finish
		ČSN EN 1931	Waterproofing materials
		ČSN EN 1015-19	Mortars
		ČSN EN 12086 ČSN EN 13469	Insulating materials
D23	Determination of mortar frost resistance	ČSN 72 2452	Mortars
D24	Determination of resistance to loading	ČSN EN 12730 ČSN EN 12691 ČSN EN ISO 6272-1	Roofing materials, waterproofing materials, grouts, paints and varnishes
D25	Artificial ageing test	ČSN EN 1296	Roofing materials, waterproofing materials
D26	Determination of compressibility	ČSN EN 13171+A1, art. 4.3.11 ČSN EN 12431 ČSN EN 13163+A2, art. 4.3.15	Insulating materials

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Statics tests			
ST1	Determination of the resistance of noise barrier elements to wind load and snow removal operations	ČSN EN 1794-1, Annex A, E	Noise barriers
ST2	Test of stone impact resistance of noise barrier elements	ČSN EN 1794-1, Annex C	Noise barriers
ST3*	Test of safety of noise barriers – risk of falling debris	ČSN EN 1794-2, Annex A	Noise barriers
ST4	Determination of dead weight of elements, determination of the effects of dead weight	ČSN EN 1794-1, Annex B, art. B.2.1, B.2.3, P 07 2024 (ČSN EN 1794-1, Annex B, art. B.3.1, B.3.2)	Noise barriers
ST5*	Determination of mechanical resistance and stability – resistance to horizontal loads	ETAG 003, art. 5.4.1.1, 5.4.1.4	Internal non-bearing partition kits
		ČSN 74 3305, Annex B P 07 2025 (ČSN 73 2030)	Guard rails
ST6*	Vertical load resistance test	ČSN EN 12825, art. 5 ČSN EN 13213, art. 5 ČSN CEN/TS 13810-2, art. 7, 8, 9.1	Floors
ST7	Pull-out and shear resistance test	ETAG 001, Annex A, art. 4, 5.1.	Metal anchors
ST8*	Load tests	ČSN 73 2030 ČSN EN 380	Building structures

¹ asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises

² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

³ guideline for the measurement and evaluation of noise in non-workplace environment

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Annex:

Flexible scope of accreditation

Ordinal numbers of tests
T1 - T4, A1 - A10, V1 - V10, D1 - D26, ST1 -ST8

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed. The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

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2. Construction Testing Laboratory

Tests:

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Bitumen testing			
R 1	Determination of the softening point – Ring and Ball method	ČSN EN 1427	Bitumen
R 2	Determination of ductility	ČSN 65 7061	Bitumen
R 3	Determination of needle penetration	ČSN EN 1426	Bitumen
R 4	Determination of the Fraass breaking point	ČSN EN 12593	Bitumen
R 5	Determination of solubility	ČSN EN 12592	Bitumen
R 6	Determination of ash content	ČSN EN ISO 6245	Bitumen
R 7	Determination of density	ČSN EN ISO 3838	Bitumen
R 8	Determination of efflux time	ČSN EN 12846-1 ČSN EN 12846-2	Bitumen
R 9	Determination of adhesion of bituminous products to aggregates	ČSN EN 13614	Bitumen
R 10	Determination of residue on sieving and storage stability	ČSN EN 1429	Bitumen emulsions
R 11	Determination of cone penetration	ČSN EN 13880-2	Joint sealants
R 12	Determination of flow resistance	ČSN EN 13880-5	Joint sealants
R 13	Determination of heat resistance	ČSN EN 13880-4	Joint sealants
R 14	Determination of the elastic recovery, elastic restoration	ČSN EN 13398	Bitumen
R 15	Determination of breaking behaviour by mineral filler method	ČSN EN 13075-1	Bitumen emulsions
R 16	Determination of storage stability of modified bitumen	ČSN EN 13399	Bitumen
R 17	Determination of penetration and recovery (resilience)	ČSN EN 13880-3	Joint sealants

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
R 18	Determination of water content by azeotropic distillation method	ČSN EN 1428	Bitumen emulsions
R 19	Determination of cohesion by pendulum	ČSN EN 13588	Bitumen emulsions
Testing of construction materials and products			
S 1	Determination of stress-strain properties		
S 1.1	Determination of the tensile strength	ČSN EN 319	Hardboards
		ČSN EN 205	Bonded joints of wood
		ČSN 64 5432 ISO 1926 ČSN EN ISO 1798 ČSN EN 1607 ČSN EN 13496	Cellular materials, thermal insulating products, glass meshes
		ČSN EN ISO 527-1 ČSN EN ISO 527-2 ČSN EN ISO 527-3	Plastic sheets for waterproofing, joints
		ČSN EN 12311-1 ČSN EN 12311-2	Bitumen, plastic and rubber sheets, bituminous shingles
		ČSN EN ISO 8339 ČSN EN ISO 10591	Sealants
		S 1.2	Determination of bending tensile strength
ČSN EN 13892-2	Screeds		
ČSN EN 1015-11	Hardened mortars		
S 1.3	Determination of tensile properties at maintained extension	ČSN EN ISO 8340 ČSN EN ISO 10590 ČSN EN ISO 11431	Sealants
S 1.4	Static crack bridging	ČSN 73 6242, Annex C	Waterproofing materials
S 1.5	Dynamic crack bridging	ČSN EN 1062-7:2004, Method B ČSN EN 14224 ČSN EN 15812 ČSN EN 13880-10 ČSN EN 13880-13	Coating materials and coating systems for external masonry and concrete, asphalt bands, cements for thick-layer waterproofing coatings hot applied joint sealants

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S 2	Determination of compression properties		
S 2.1	Compression strength	ČSN EN 12390-3 ČSN EN 12390-1	Hardened concrete
		ČSN EN 772-1+A1 ČSN 73 6131 ČSN EN 1338, Annex F	Masonry units, paving, cobbles
		ČSN EN 196-1 ČSN EN 13454-2, art. 5.4	Cement, adhesives
		ČSN EN ISO 844 ČSN EN 826 ČSN EN ISO 604	Hard cellular materials, thermal insulating products, rubber and plastic products
		ČSN EN 514	Window PVC profiles
		ČSN EN 1015-11 ČSN EN 12190	Hardened mortars repair mortars
S 2.2	Determination of compression set	ČSN EN 1605 ČSN EN ISO 1856	Cellular materials
S 2.3	Determination of transverse deformation	ČSN EN 12002-2, art. 8.6	Mortars and glues
S 2.4	Determination of indentation hardness	ČSN EN ISO 2439	Cellular materials
		ČSN EN 12430	Thermal insulating products
S 2.5	Resistance against compression	ČSN EN ISO 3386-2 ČSN EN ISO 3386-1	Cellular materials
		ČSN EN ISO 11432	Mastic
S 2.6	Determination of strength by pressure	ČSN EN ISO 12236	Geotextiles
		ČSN EN ISO 13433	Geotextiles
S 2.7	Determination of impact resistance	ČSN EN ISO 6272-1	Paints and varnishes
S 2.8	Determination of resistance to tearing	ČSN EN 12310-1 ČSN EN 12310-2	Bitumen, plastic and rubber sheets
S 2.9	Determination of resistance to static load	ČSN EN 12730	Bitumen, plastic and rubber sheets
S 2.10	Determination of modulus of elasticity in compression	ČSN EN 13412	Products and systems to repair concrete structures
S 3	Bending and shear tests		
S 3.1	Determination of bending strength/shear	ČSN EN 310 ČSN EN 14080 ČSN EN 789, art. 7	Wooden boards and parts
		ČSN EN 1533	Wood flooring

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		ČSN EN 846-9, ed. 2	Lintels
		ČSN EN 302-1	Connecting materials (test objects), wood, adhesives
S 3.2	Determination of bending strength	ČSN EN 12390-5	Hardened concrete
		ČSN EN 1916	Concrete tubes and pipes
		ČSN EN 12808-3	Grouts and glue mortar
		ČSN EN 12190	
		ČSN EN 13454-2, art. 5.4	
		ČSN 64 5444	Cellular materials
		ČSN EN ISO 178	Plastic products
		ČSN EN 12089	Thermal insulating products
		ČSN EN 13161	Stone
		ČSN EN 12372	
S 3.3	Determination of flexibility at low temperatures	ČSN EN 1109	Bitumen, plastic and rubber sheets
		ČSN EN 495-5	
		ČSN EN 1876-1	Plastic sheets for waterproofing
S 3.4	Determination of shear strength	ČSN EN 314-1	Plywood, blockboards
		ČSN EN 12090	Thermal insulating products
		ČSN EN 12317-1	Bitumen, plastic and rubber sheets
		ČSN EN 12317-2	
		ČSN EN ISO 22632	Adhesives for floor and wall coverings
S 3.5	Determination of tensile lap-shear strength of bonded assemblies	ČSN EN 1465	Sealants
S 3.6	Determination of slant shear strength	ČSN EN 12615	Products and systems to repair concrete structures
S 4	Static loading tests		
S 4.1*	Static loading test	ČSN EN 380	Wooden construction
		ČSN EN 12566-3, Annex C1, C2, C3, C4, C5	Small wastewater treatment systems
S 5	Determination of cohesion and adhesion		
S 5.1	Determination of peel resistance	ČSN EN ISO 24345	Floor coverings
S 5.2	Determination of tensile strength of surface layers	ČSN 73 1318, Annex 2	Hardened concrete

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S 5.3*	Determination of adhesion by tensile test	ČSN EN 12004-2, art. 8.3	Cementitious adhesives
		ČSN EN 13892-8	Screeds
S 5.4	Determination of adhesion by shear test	ČSN EN 12004-2, art. 8.4, 8.5 ČSN EN 1373	Dispersion adhesives, reaction resin adhesives, adhesives for floorings and wall coverings
		ČSN EN 13653	Waterproofing materials
S 5.5*	Determination of adhesion to substrates	ČSN 73 2577 ČSN 73 6242, Annex B	Surface treatments of building materials
		ČSN EN 1542	Products and systems to repair concrete structures
		ČSN EN 1015-12 ČSN EN 12636	Hardened rendering and plastering mortar concrete mortar
		ČSN EN 13596	Waterproofing materials
		ČSN EN ISO 4624, Method B	Paints and varnishes
S 5.6	Determination of adhesion of the surface treatment to the substrate after freezing and thawing	ČSN 73 2579	Surface treatments of building materials
S 5.7	Peeling test of the specimen made of flexible and solid adherents at 90° angle	ČSN EN 28510-1	Adhesives
S 5.8	Peeling test for assemblies made from flexible adherents	ČSN EN ISO 11339	Adhesives
S 5.9	Determination of peel resistance	ČSN EN 12316-1 ČSN EN 12316-2	Bitumen, plastic and rubber sheets
S 5.10	Determination of bond strength	ČSN EN 13408	Floor screeds
		ČSN EN 12188, art. 8	Polymer adhesive
S 5.11	Determination of adhesion and cohesion at constant temperature and at a temperature cycling	ČSN EN ISO 9046 ČSN EN ISO 9047	Sealants
S 5.12	Determination of adhesion of concrete to concrete	ČSN EN 12636, art. 5	Products and systems to repair concrete structures
S 5.13	Determination of compatibility with wet concrete	ČSN EN 13578	Paintwork

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
S 5.14	Determination of shear test cohesion after heat conditioning	ČSN EN 14691	Waterproofing materials
S 6	Measurement of geometric quantities		
S 6.1	Determination of dimensions	ČSN EN 324-1 ČSN EN 324-2 ČSN EN 1309-1 ČSN EN 1309-2	Wood, lumber
		ČSN EN 772-16	Masonry units
		ČSN 73 0212-5 ČSN 72 2602 ČSN EN 13748-2, art. 5.2-5.4 ČSN EN 1338, Annex C ČSN EN 1339, Annex C	Prefabricated parts made of concrete, silicate, wood and metals, brick products, paving flags (paving stones), paving blocks
		ČSN EN ISO 1923 ČSN EN 822 ČSN EN 823 ČSN EN 824 ČSN EN 12085 ČSN EN 12431 ČSN EN 13467 ČSN EN 13165+A2, art. 5.3.3 ČSN EN 825	Cellular materials, thermal insulating products, insulating products for floating floors
		ČSN EN ISO 24341 ČSN EN ISO 24342 ČSN EN ISO 24346 ČSN EN ISO 24340	Floor coverings
		ČSN EN 1848-1 ČSN EN 1848-2	Bitumen, plastic and rubber sheets
		ČSN EN ISO 2286-3 ČSN 64 0181	Plastic sheets for waterproofing
		ČSN EN ISO 9863-1 ČSN EN ISO 9073-2 ČSN EN ISO 5084	Geotextiles
S 6.2	Determination of thickness	ČSN EN 1849-1, art. 4 ČSN EN 1849-2, art. 5	Bitumen, plastic and rubber waterstop sheets
		ČSN EN ISO 2808, art. 4.2.4, 4.3, 5.3, 5.5.6, 5.5.7, 5.8.4, 5.4.4	Paints and varnishes
S 6.3*	Determination of film thickness	ČSN EN ISO 2808, art. 4.2.4, 4.3, 5.3, 5.5.6, 5.5.7, 5.8.4, 5.4.4	Paints and varnishes

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
S 6.4	Determination of dimensional changes	ČSN EN 318	Wooden boards
		ČSN 64 5405 ČSN EN 1603 ČSN EN 1604 ČSN 73 1356	Cellular materials, aerated concrete, thermal insulating products
		ČSN EN 14565, Annex C	Floor coverings
		ČSN EN 1107-1 ČSN EN 1107-2	Bitumen, plastic and rubber waterstop sheets
		ČSN EN 13454-2, art. 5.5	Hardened mortar, cement
		ČSN EN 13872	Floor screeds from calcium sulphate
		ČSN EN 12808-4 ČSN EN ISO 22635	Grouts and glues Adhesives for floor and wall coverings
		S 6.5	Dimensional changes under air humidity changes
S 6.6	Determination of dimensional stability and deformation after heating	ČSN EN ISO 23999	Floor coverings
		ČSN EN ISO 22633	Adhesives for floor and wall coverings
S 6.7	Changes in appearance after heating	ČSN EN 478	Window and door PVC profiles
S 6.8	Shrinking of profiles after heating	ČSN EN 479	Window and door PVC profiles
S 6.9	Determination of particle size distribution	ČSN EN 933-1	Aggregates, rubber crumb, PVC, granulate, slag, cinder, ash
S 6.10	Determination of particle shape - Shape index	ČSN EN 933-4 ČSN EN 13383-2, art. 7	Aggregates armourstone (aggregate for hydraulic structures)
S 6.11*	Determination of road surface macrotexture depth	ČSN EN 13036-1	Road surfaces
S 7	Determination of flatness		
S 7.1	Determination of flatness of faces	ČSN EN 772-20	Masonry units

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
S 8	Determination of weight and volume		
S 8.1	Determination of volume weight	ČSN EN 12390-7 ČSN EN 12350-6 ČSN EN 992	Hardened concrete, fresh concrete, aerated concrete
		ČSN EN 772-13	Masonry units
		ČSN EN ISO 845 ČSN EN 1602	Soft cellular materials, thermal insulating products
		ČSN EN 1015-6 ČSN EN 1015-10	Fresh mortar dry hardened mortar
S 8.2*	Determination of volume weight	ČSN 72 1010, Method A	Soil, loose materials
S 8.3	Determination of the area mass	ČSN EN 1849-1, art. 5 ČSN EN 1849-2, art. 6	Bitumen, plastic and rubber waterstop sheets
		ČSN EN ISO 23997	Floor coverings
		ČSN EN 29073-1 ČSN EN ISO 9864	Geotextiles
S 8.4	Determination of density by gravimetry method	ČSN EN 323 ČSN EN ISO 23996	Wood, floor covering
S 8.5	Determination of loose bulk density and voids	ČSN EN 1097-3	Aggregates
S 8.6	Volume stability of cement determination	ČSN EN 196-3, art. 7	Cement
S 8.7	Determination of volume and weight changes	ČSN EN ISO 10563	Sealants
S 8.8	Determination of volumetric change after drying cycles and submersion in the water	ČSN EN 14498	Products and systems to repair concrete structures
S 9	Determination of water content and absorption		
S 9.1	Determination of water content and absorption	ČSN 49 0103 ČSN EN 12105 ČSN EN 322 ČSN EN 13183-1	Wood, lumber, cork

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
S 9.2	Determination of water content	ČSN EN 772-10 ČSN 73 1357	Calcium silicate masonry units, shaped (profilated) bricks, aerated concrete
		ČSN CEN ISO 17892-1	Soil, loose materials
		ČSN EN 12429	Thermal insulating products
		ČSN EN 1097-5	Aggregates
		ČSN EN ISO 12570	Paints and varnishes
S 9.3	Determination of water absorption	ČSN EN 772-7 ČSN EN 772-11 ČSN EN 1338, Annex E ČSN EN 1339, Annex E	Masonry units, paving, paving flags (paving stones), hardened concrete
		ČSN EN ISO 16535 ČSN EN ISO 29767	Thermal insulating products
		ČSN EN 14223	Waterproof materials
		ČSN EN 12808-5	Grouts and glues
S 9.4	Determination of water absorption coefficient by partial immersion	ČSN EN ISO 15148	Paints and varnishes
S 9.5	Determination of swelling after immersion in water	ČSN EN 317	Hardboards
S 9.6	Determination of resistance to humidity	ČSN EN ISO 6270-1	Paints and varnishes
S 9.7	Determination of moisture resistance under cyclic test conditions	ČSN EN 321	Wooden boards
S 9.8	Determination of resistance to capillary absorption	ČSN EN 13057	Products to repair and protect concrete structures
S 9.9	Determination of capillary absorption	ČSN EN 480-5	Admixtures for concrete and mortar
S 9.10	Determination of dry content	ČSN EN 480-8	Admixtures for concrete and mortar
S 10	Waterproofing and water permeability determination		
S 10.1	Waterproofing determination	ČSN EN 12566-1, ed. 2, Annex A ČSN EN 12566-3, art. 6.4, Annex A	Small wastewater treatment systems
		ČSN EN 12390-8 ČSN EN 14891 ed. 2, Annex A.7	Hardened concrete water resistant coatings

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
		ČSN EN 1928 ČSN EN 13111	Bitumen, plastic and rubber sheets
		ČSN EN 1027	Windows, doors
		ČSN EN 15820	Polymer modified bituminous sealants
		ČSN 73 2578	Surface treatments
S 10.2	Determination of watertightness after extension at low temperature	ČSN EN 13897	Bitumen, plastic and rubber sheets
S 10.3	Determination of liquid water permeability	ČSN EN 1062-3 ČSN EN 927-5	Coating materials and coating systems for exterior masonry and concrete
S 10.4	Determination of water-vapour transmission properties - Cup method	ČSN 77 0332	Plastic sheets for waterproofing
		ČSN EN ISO 7783 ČSN EN ISO 12572, Annex A	Construction materials and products, paints
S 11	Determination of frost resistance		
S 11.1	Determination of frost resistance	ČSN 73 1322	Hardened concrete
		ČSN EN 772-18 ČSN 72 2601, Annex A ČSN EN 539-2, Method C, art. 7.5.3	Calcium silicate masonry, brick products, fired roofing tiles
S 11.2	Determination of resistance to freezing and thawing	ČSN EN 12091	Thermal insulating products
S 12	Determination of resistance to liquids		
S 12.1	Determination of resistance of products to water and chemical de-icing agents (CHRL)	ČSN EN 1338, Annex D ČSN EN 1339, Annex D ČSN EN 13748-2, art. 5.9	Paving, paving flags (paving stones), terrazzo tiles
		ČSN 73 1326	Concrete products
S 12.2	Determination of resistance to liquid chemicals	ČSN EN 1847	Waterproofing sheets
		ČSN EN 13529	Products to repair and protect concrete structures
		ČSN EN 12808-1 ČSN EN ISO 2812-1 ČSN EN ISO 2812-2	Reaction resin mortars, paints and varnishes

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
S 12.3	Determination of effect of chemicals and water	ČSN EN 1847	Bitumen, plastic and rubber sheets
S 12.4	Reserved		
S 12.5	Determination of waterproof sheets chemical resistance against certain solutions– NaCl, Ca(OH) ₂ , H ₂ CO ₃	ČSN EN ISO 175	Plastic sheets for waterproofing
S 13	Determination of processing features		
S 13.1	Determination of contraction and expansion	ČSN EN 13454-2, art. 5.6	Fresh mortar
S 13.2	Determination of open time	ČSN EN 12004-2, art. 8.1	Mortar adhesives and glues
S 13.3	Determination of setting time	ČSN EN 13409	Floor screeds
		ČSN EN 13294	Products to repair and protect concrete structures
S 13.4	Determination of normal consistency and setting time of cement	ČSN EN 196-3+A1, art. 5, 6	Cement
S 13.5	Determination of normal consistence	ČSN EN 13454-2, art. 5.3	Floor screeds from calcium sulphate
S 13.6	Determination of consistency, flow characteristics	ČSN EN 12706 ČSN EN 13395-2	Screeds, injection mixtures, mortars
S 13.7	Determination of flow properties	ČSN EN ISO 7390	Sealants
S 13.8	Determination of slip	ČSN EN 12004-2, cl. 8.2	Mortar adhesives and glues
S 13.9	Determination of workability	ČSN EN 13395-4	Repair mortars for soffit surfaces
S 13.10*	Fresh concrete test - separation of water	ČSN EN 480-4	Admixtures for concrete and mortar
S 13.11	Determination of setting time	ČSN EN 480-2	Admixtures for concrete and mortar
S 13.12*	Determination of consistence – slump test	ČSN EN 12350-2	Fresh concrete
S 13.13*	Determination of consistence – VEBE test	ČSN EN 12350-3	Fresh concrete
S 13.14*	Determination of consistence - degree of compactability	ČSN EN 12350-4	Fresh concrete

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
S 13.15*	Determination of consistence - flow table test	ČSN EN 12350-5	Fresh concrete
S 14	Sports surfaces testing		
S 14.1	Artificial ageing test	ČSN EN 14836	Sports surfaces
S 14.2*	Determination of resistance to rolling load	ČSN EN 1569	Sports surfaces
S 14.3	Determination of abrasion resistance	ČSN EN ISO 5470-1	Sports surfaces
S 14.4*	Determination of anti-slip surface properties – test by pendulum	ČSN EN 13036-4	Sports surfaces
S 14.5*	Determination of shock absorption	ČSN EN 14808 FIFA 04	Sports surfaces
S 14.6*	Determination of vertical deformation	ČSN EN 14809 FIFA 05	Sports surfaces
S 14.7*	Determination of vertical ball rebound	ČSN EN 12235 FIFA 01	Sports surfaces
S 14.8*	Determination of ball roll	ČSN EN 12234 FIFA 03	Sports surfaces
S 14.9*	Determination of resistance to compression	ČSN EN 1516	Sports surfaces
S 14.10*	Determination of resistance to impact	ČSN EN 1517	Sports surfaces
S 14.11*	Determination of flatness	ČSN EN 13036-7	Sports surfaces
S 14.12	Determination of thickness of surface	ČSN EN 1969	Sports surfaces
S 14.13*	Determination of water permeability	ČSN EN 12616	Sports surfaces
S 14.14	Determination of tensile characteristic	ČSN EN 12230	Sports surfaces
S 14.15	Determination of joint strength	ČSN EN 12228	Sports surfaces
S 14.16	Test of artificial weathering by hot air	ČSN EN 13817	Sports surfaces
S 14.17	Determination of dimensional changes	ČSN EN 13746	Sports surfaces
S 14.18*	Determination of rotational resistance	ČSN EN 15301-1 FIFA 06	Sports surfaces

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
S 15 Complementary tests - wood			
S 15.1*	Lumber measurement and classification according to dimensions and defects	ČSN EN 1309-3 ČSN EN 13145+A1, art. 5, table 1 and 2	Lumber, wood, wooden sleepers
S 15.2*	Visual classification of wood for construction application	ČSN 73 2824-1	Wood for construction application
S 15.3	Determination of mechanical and physical properties of wood for constructions - dimensions - density - local modulus of elasticity in bending - global modulus of elasticity in bending - modulus of elasticity in shear - bending strength - tensile strength - compression strength - shear strength	ČSN EN 408+A1 art. 5 art. 7 art. 9 art. 10 art. 11.2 art. 19 art. 13, 16 art. 15, 16 art. 18	Construction wood, laminated wood
S 15.4	Determination of resistance to sliding	ČSN EN 1339, Annex I ČSN P CEN/TS 15676	Boards, timber floor
S 15.5	Quality testing of bonding	ČSN EN 14374, Annex B ČSN EN 314-1	Laminated wood
S 16 Complementary tests – Product from plastics and rubbers			
S 16.1	Reserved		
S 16.2	Determination of air penetration	ČSN EN 1026	Windows, doors
S 16.3	Determination of resistance to wind loading	ČSN EN 12211	Windows, doors
S 16.4	Determination of resistance to impacts by a soft and heavy body	ČSN EN 13049	Windows, doors
S 16.5	Determination of resistance to static torsion	ČSN EN 14609	Windows, doors
S 16.6	Reserved		

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
S 16.7	Testing PVC-U boards - thickness - measurement of dimensions - dimensional changes - determination of delamination	ČSN 64 3211 art. 18 art. 19 art. 25 art. 29	PVC-U boards
S 16.8	Testing PVC-U profiles - visual assessment - dimensions - linear mass	ČSN EN 12608-1+A1 art. 6.1 art. 6.2 art. 6.3	PVC profiles (windows, doors)
S 17	Complementary tests – Material fabrics		
S 17.1	Determination of resistance of materials against abrasion	ČSN EN 660-2 ČSN EN 13230-1, Annex A	Floor coverings, fine aggregates
S 17.2	Heat ageing of waterproofing materials	ČSN EN 1296	Plastic sheets for waterproofing
S 17.3	Artificial aging by long term exposure to the combination of UV radiation, elevated temperature and water	ČSN EN ISO 4892-3 ČSN EN 1297	Waterproofing materials
S 17.4	Testing of physical and mechanical properties of gully tops and manhole tops - test of permanent deformation - test of load bearing capacity - measurement of design parameters - test of deformation under force	ČSN EN 124-1, art. 8.2 ČSN EN 124-1, art. 8.3 ČSN EN 124-1, art. 8.4, 8.5 ČSN EN 124-3, art. 6.2	Gully tops and manhole tops – cast iron, fibreglass, plastic, reinforced-concrete, concrete
S 17.5	Determination of visible defects	ČSN EN 1850-1 ČSN EN 1850-2	Bitumen, plastic and rubber sheets
S 17.6	Determination of flow resistance at elevated temperature	ČSN EN 1110	Bitumen, plastic and rubber sheets, bitumen shingles

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
S 18	Complementary tests – Bitumen and feldspar		
S 18.1	Bitumen shingle testing - area mass - geometrical features - absorbability - resistance to blistering	ČSN EN 544 ed. 2, art. 6.2 art. 6.3 art. 6.4.3 art. 6.4.5	Bitumen shingles
S 18.2	Corrugated bitumen sheet testing	ČSN EN 534+A1	Corrugated bitumen sheets
S 18.3	Determination of the behaviour of bitumen sheets during application of mastic asphalt	ČSN EN 14693	Waterproof materials
S 19	Complementary tests – Soils and aggregates		
S 19.1*	Compaction check using static load plate	ČSN 72 1006, Annex A, B, D	Soil
S 19.2	Laboratory evaluation of soil compaction ability using - Proctor standard test	ČSN EN 13286-2, art. 7.1, 7.4	Soil, loose materials
S 19.3*	Check for compression of bedrock and earth loose material by impact test	ČSN 73 6192, art. 5.4, equipment of C group	Soil, loose materials
S 19.4	Determination of percentage of crushed and broken surfaces in coarse aggregate particles	ČSN EN 933-5	Aggregates
S 20	Complementary tests – Cement, concrete, mortar		
S 20.1	Determination of viscosity	ČSN EN 445	Cement grouting products
S 20.2	Determination of aqueous heat by dissolvent method	ČSN EN 196-8	Cement
S 20.3*	Non-destructive testing of concrete	ČSN 73 1373 ČSN EN 12504-2	Hardened concrete, concrete structures
S 20.4*	Determination of air content	ČSN EN 1015-7 ČSN EN 12350-7	Fresh concrete, fresh mortar

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
S 21	Complementary tests – Sealing, paints and varnishes		
S 21.1	Determination of physical and mechanical properties of adhesives - shear strength - tensile strength - shear strength of hard elastic and elastic adhesives	ČSN EN ISO 17178 art. 4.2 art. 4.3 art. 4.4	Adhesives for bonding parquet to subfloor
S 21.2	Determination of flow time by use of flow cups	ČSN EN ISO 2431	Paints and varnishes
S 21.3	Determination of the elastic recovery	ČSN EN ISO 7389	Sealants
S 21.4	Peel test	ČSN EN ISO 22631	Adhesives for floor and wall coverings
S 21.5*	Cross-cut test	ČSN EN ISO 2409	Paints and varnishes
S 21.6	Building structures – Resistance of finish to sudden temperature changes	ČSN 73 2581	Paints and varnishes
S 22	Complementary tests – Products and systems to protect and repair concrete structures		
S 22.1	Determination of contraction and expansion	ČSN EN 12617-4	Products and systems to protect and repair concrete structures
S 22.2	Determination of thermal expansion coefficient	ČSN EN 1770	Products and systems to protect and repair concrete structures
S 22.3	Determination of resistance to freeze-thaw cycling with de-icing salt immersion	ČSN EN 13687-1	Products and systems to protect and repair concrete structures
S 22.4	Determination of bonding cement suitability for surface concrete application	ČSN EN 1799	Products and systems to protect and repair concrete structures
S 22.5	Determination of resistance to freeze-thaw cycling without de-icing salt immersion	ČSN EN 13687- 3	Products and systems to protect and repair concrete structures
S 22.6	Determination of resistance to temperature cycling in dry state	ČSN EN 13687- 4	Products and systems to protect and repair concrete structures

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Ordinal number ¹	Test procedure/ method name	Test procedure/ method identification ²	Tested object
S 22.7	Determination of resistance to temperature shock	ČSN EN 13687- 5	Products and systems to Protect and repair concrete structures
S 22.8	Thunder-shower cycling	ČSN EN 13687- 2	Products and systems to protect and repair concrete structures
S 22.9	Determination of linear contraction	ČSN EN 12617-1	Products and systems to protect and repair concrete structures
S 22.10	Determination of volumetric contraction of products based on polymers	ČSN EN 12617-2	Products and systems to protect and repair concrete structures
S 23	Determination of combustion heat by calorimetric method	ČSN EN ISO 1716, except art. 7.10	Building products
S 24*	Playground equipment testing	ČSN EN 1176-1 ed.2, art. 4.2.3, 4.2.4, 4.2.7 to 4.2.9, 4.2.12, 4.2.13, Annex D ČSN EN 1176-2 ed.2, art. 4.2 to 4.5, 4.7, 4.9, 4.10, 5, Annex C ČSN EN 1176-3 ed.2 ČSN EN 1176-4 ed.2, rt. 4.4 to 4.8, 4.10 to 4.14, Annex A, B ČSN EN 1176-5, art. 4.2 to 4.5, 5.1, 5.2, 5.3.1, 5.4 to 5.7 ČSN EN 1176-6 ed.2, art. 4.2 to 4.11, 5.1 to 5.4, Annex B, C, D, E	Playground equipment

¹ asterisk at the ordinal number identifies the tests, which the Laboratory is qualified to carry out outside the permanent laboratory premises

² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

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Annex:

Flexible scope of accreditation

Ordinal numbers of tests
R 1 – R 19, S 1.1- S 1.5, S 2.1 – S 2.10, S 3.1 – S 3.6, S 4.1, S 5.1 – S 5.14, S 6.1 – S 6.11, S 7.1, S 8.1 – S 8.8, S 9.1 - S9.10, S 10.1 – S 10.4, S 11.1 – S 11.2, S 12.1 – S 12.5, S 13.1 – S 13.15, S 14.1 – S 14.18, S 15.1 – S 15.5, S 16.1 – S 16.5, S 16.7 - S 16.8, S 17.1 – S 17.6, S 18.1 – S 18.3, S 19.1 – S 19.4, S 20.1 – S 20.4, S 21.1 – S 21.6, S 22.1 – S 22.10, S 23, S 24

The Laboratory is allowed to modify the test methods listed in the Annex within the specified scope of accreditation provided the measuring principle is observed. The flexible approach to the scope of accreditation cannot be applied to the tests not included in the Annex.

Explanations:

DIN	German Standard
EN	European Standard
ETAG	Guideline for European Technical Approval
FIFA	Tests Method of Football association
ISO	International standard
MoH CR	Ministry of Health of the Czech Republic
P 07 xxxx	Internal Procedure