

**The Appendix is an integral part of
Certificate of Accreditation No. 449/2020 of 16/07/2020**

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

Institut pro testování a certifikaci, a.s.

Testing Laboratory of Physical Properties of Materials, Structures and Buildings – Prague
Pražská 810/16, Hostivař, 102 21 Praha 10

Workplace testing laboratory:

- | | | |
|----|-------------------------------------|---|
| 1. | Thermal technical laboratory | Pražská 810/16, Hostivař, 102 00 Praha 10 |
| 2. | Laboratory of acoustics | Pražská 810/16, Hostivař, 102 00 Praha 10 |
| 3. | Chemical physical laboratory | Pražská 810/16, Hostivař, 102 00 Praha 10 |
| 4. | Fire technical laboratory | Pražská 810/16, Hostivař, 102 00 Praha 10 |

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

Updated list of activities provided within the flexible scope of accreditation is available at the laboratory from the Quality Manager of Structures and Buildings – Prague.

1. Thermal technical laboratory

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
1*	Testing of thermal properties by hot-box method	P 01 0001	Materials and products for construction, building structures
2	- Determination of thermal transmittance a) by test b) by calculation Determination of thermal transmittance, thermal transmission coefficient, surface temperature and heat flows Determination of internal surface temperature Determination of thermal transmittance and thermal resistance	ČSN EN ISO 8990 ČSN 730540-4 ČSN EN ISO 13788 ČSN EN ISO 6946	Building structures Building structures Building components and building elements Building elements and building structures
3	Determination of thermal transmission a) by test b) by calculation (determination of thermal transmission coefficient)	ČSN EN ISO 12567-1 ČSN EN ISO 12631 ČSN EN ISO 10077-1 ČSN EN ISO 10077-2 ČSN EN 12428 ČSN EN 673	Windows and doors Curtain walling Windows, doors, shutters, window and door frames, gates Glass in building
4*	Testing of thermal bridges a) by test b) by calculation (determination of heat flow and surface temperature)	ČSN 73 0546 ČSN EN ISO 10211	Building components, structures Building structures
5	Determination of thermal transmission properties	ČSN EN ISO 8497	Thermal insulation for circular pipes

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
6	Determination of thermal resistance by hot box method	ČSN EN 1934	Masonry
7	Measurement of coefficient of conductivity (coefficient of water vapour diffusion), diffusion resistance factor	P 01 0002	Materials and products for construction
8	Determination of water vapour transmission rate	ČSN EN 12086	Thermal insulating products for building applications
9	Determination of water vapour transmission rate	ČSN EN 13469	Preformed pipe insulation
10	Measurement of coefficient of water vapour diffusion method without temperature gradient	ČSN 72 7030 ČSN EN ISO 12572	Building materials and products
11	Test of vapour intrusion through surface finish	ČSN 73 2580	Surface finish of building structures
12	Determination of water vapour permeability	ČSN EN 772-15	Autoclaved aerated concrete masonry units
13	Determination of air permeability of materials	P 01 0003	Materials and products for construction
14	Determination of air permeability of building components and building elements	ČSN EN 12114	Building components and building elements
15	Testing of thermal properties of building materials and structures by plate method	P 01 0004	Materials and products for construction
16	Determination of thermal resistance by hot plate method	ČSN EN 12939 ČSN EN 12664 ČSN EN 12667 ISO 8302	Building materials and products
17	Determination of thermal transmittance	ČSN EN 675	Glass in building
18	Determination of thermal conductivity by plate method	ČSN 72 7010 ČSN 72 7012-2 ČSN 72 7012-3	Building materials and products
19	Determination of thermal conductivity	ČSN 73 1353	Aerated concrete
20	Determination of absorption power of materials	P 01 0005	Materials and products for construction
21	Determination of water absorption	ČSN 73 1357, p. 7.4, 7.5	Aerated concrete
22	Determination of short term water absorption	ČSN EN ISO 29767	Thermal insulating products for building applications
23	Determination of long term water absorption	ČSN EN ISO 16535	Thermal insulating products for building applications
24	Determination of short term water absorption	ČSN EN 13472	Preformed pipe insulation

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
25	Determination of water absorption	ČSN EN 772-11	Concrete blocks, masonry elements of stone baked masonry elements
26	Determination of long term water absorption by diffusion	ČSN EN ISO 16536	Thermal insulating products
27*	Determination of moisture content, sorption moisture, condensed moisture in materials and components	P 01 0006	Materials and products for construction
28	Determination of sorption properties	ČSN 73 1327	Concrete
29	Determination of moisture content	ČSN EN 772-10	Calcium silicate and autoclaved aerated concrete units
30	Determination of moisture equilibrium	ČSN EN 12429	Thermal insulating products for building applications
31	Determination of moisture content	ČSN EN ISO 12570	Building materials and products
32	Determination of hygroscopic sorption properties	ČSN EN ISO 12571	Building materials and products
33*	Determination of geometrical dimensions	P 01 0007	Materials and products for construction
34	Determination of thickness	ČSN EN 1849-2	Plastic and rubber sheets for waterproofing
35	Check of accuracy	ČSN 73 0212-5	Building components
36	Determination of linear dimensions	ČSN EN 12085	Thermal insulation products
37	Determination of dimensions, squareness and linearity	ČSN EN 13467	Preformed pipe insulation
38	Determination of geometrical properties	ČSN EN 534+A1, p. 7.1	Corrugated bitumen sheets
39	Determination of net volume and percentage of void	ČSN EN 772-3	Masonry units
40	Determination of dimensions	ČSN EN 772-16	Masonry units
41	Determination of length and width	ČSN EN 822, N1	Thermal insulating product
42	Determination of thickness	ČSN EN 823, N1	Thermal insulating product
43	Determination of squareness	ČSN EN 824, N1	Thermal insulating product
44	Determination of flatness	ČSN EN 825, N1	Thermal insulating product
45	Method for measurement of height, width, thickness and squareness	ČSN EN 951	Door leaves
46	Measurement of thickness, wall and rib thickness	ČSN EN ISO 12017, p. 6.2 to 6.4	Poly (methyl methacrylate) double- and triple-skin sheets
47	Measurement of dimensions	ČSN EN 12859, p. 5.3	Gypsum block

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
48	Check of geometrical characteristics	ČSN ISO 8335, p. 6.2	Cement bonded particleboards
49*	Measurement of parameters of thermal state of indoor environment and heat consumption for building heating	P 01 0008	Buildings and individual rooms of residential, community and industrial buildings
50*	Measurement and check of thermal losses	ČSN 73 0550	Buildings
51	Power balance of glazed surfaces of cladding	ČSN 73 0542	Buildings, rooms
52*	Determination of air permeability of building by Blower-door test method	ČSN EN ISO 9972	Buildings, rooms
53	Determination of weight of building materials and products	P 01 0010-A	Building materials and products
54	Determination of weight	ČSN 73 2045	Building components
55	Determination of weight	ČSN 72 2603, p. 5, 6	Brick products
56	Determination of weight	ČSN EN 12859, p. 5.5	Gypsum blocks
57	Determination of apparent density of building materials and products	P 01 0010-B	Building materials and products
58	Determination of apparent density	ČSN 72 2603, p. 11 to 14	Brick products
59	Determination of apparent density	ČSN 72 5010, p. 37	Burned ceramic pastes and products
60	Determination of apparent density	ČSN EN 1015-10	Dry hardened mortar
61	Determination of apparent density	ČSN EN 13470	Preformed pipe insulation
62	Determination of apparent density	ČSN EN 1602	Thermal insulating products for building applications
63	Determination of apparent density	ČSN EN 678	Autoclaved aerated concrete
64	Determination of apparent density	ČSN EN 772-13	Masonry unit material, masonry units
65	Determination of apparent density	ČSN EN 12859, p. 5.6	Gypsum blocks
66	Determination of apparent density	ČSN EN 992	Porous concrete from porous aggregates
67	Determination of mass per unit area of building materials and products	P 01 0010-C	Building materials and products
68	Determination of mass per unit area	ČSN EN ISO 12017, p. 6.5	Poly (methyl methacrylate) double- and triple-skin sheets
69	Determination of bulk density of building materials	P 01 0010-D	Building materials
70	Determination of bulk density	ČSN EN 1097-3	Aggregates

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
71	Determination of bulk density	ČSN 72 2071, p. 10.2	Fly ash for building purposes
72	Determination of bulk density	ČSN 72 7018	Ceramic raw materials and compounds

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)

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
1 to 72

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:

P 01 00xx – Test procedure - Internal test specification of the Testing Laboratory of Physical Properties of Materials, Structures and Buildings – Prague

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2. Laboratory of Acoustics

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
1*	Determination of airborne sound insulation	ČSN EN ISO 10140-1 ČSN EN ISO 10140-2 ČSN EN ISO 10140-4 ČSN EN ISO 16283-1 ČSN EN ISO 16283-3 ČSN EN ISO 717-1 ČSN EN 1793-2	Building structures, rooms, doors and windows, noise barriers
2*	Determination of impact sound insulation	ČSN EN ISO 10140-1 ČSN EN ISO 10140-3 ČSN EN ISO 10140-4 ČSN EN ISO 16283-2 ČSN EN ISO 717-2	Building structures, rooms, flooring materials
3*	Determination of reverberation time	ČSN EN ISO 3382-2 ČSN EN ISO 354	Closed premises, rooms
4	Determination of dynamic stiffness and static relaxation properties	ČSN ISO 9052-1 ČSN 73 0532 annex C P 04 0012	Insulation layers and pads
5*	Determination of sound power level and emission level	ČSN EN ISO 3741 ČSN EN ISO 3743-1 ČSN EN ISO 3743-2 ČSN EN ISO 3744 ČSN EN ISO 3746 ČSN EN ISO 3747 ČSN EN ISO 5135 ČSN EN ISO 11201 ČSN EN ISO 11202 ČSN EN ISO 11203 ČSN EN ISO 11204 ČSN EN 12102-1	Machines and equipment
6*	Determination of sound pressure level and noise exposure level	ČSN ISO 1996-1 ČSN ISO 1996-2 ČSN EN ISO 9612 MoH CR Bulletin No. 4/2013, Part 4 MoH CR Bulletin No. 11/2017, Part 1	Outdoor environment, rooms, in buildings, working environment
7	Determination of sound absorption coefficient	ČSN EN ISO 354 ČSN ISO 10534-1 ČSN EN ISO 11654 ČSN EN 1793-1	Sound absorbing materials and structures, noise barriers

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
8*	Determination of insertion loss	ČSN EN ISO 11546-1 ČSN EN ISO 11546-2 ČSN EN ISO 11957 ČSN EN ISO 11691	Insulation elements (covers, cabins, silencers)

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)

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
1 to 8

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:

P 04 00xx - Test procedure - Internal test specification of the Testing Laboratory of Physical Properties of Materials, Structures and Buildings – Prague

MoH CR Bulletin No. 4/2013 - Bulletin of the Ministry of Health of the Czech Republic No. 4/2013 of 26/07/2013, Part 4: Guideline for the measurement and evaluation of noise and vibrations at workplace and vibrations in protected indoor areas of buildings

MoH CR Bulletin No. 11/2017 - Bulletin of the Ministry of Health of the Czech Republic No. 11/2017 of 18/10/2017, Part 1: Guideline for the measurement and evaluation of noise in non-working environment

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3. Chemical physical laboratory

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
1	Determination of moisture content	ČSN EN 322	Wood-based panels
2	Determination of solids content	ČSN EN 827	Adhesives
3	Determination of non-volatile matter content	ČSN EN ISO 3251	Paints
4	Determination of loss by drying	ČSN 72 0102	Silicates
5	Determination of moisture content	ČSN EN 12859, p. 5.8	Gypsum blocks
6	Determination of moisture content	ČSN 72 7302, p.3	Inorganic fibres
7	Determination of moisture content	ČSN 731357, p. 7.1,7.2 and 7.3	Aerated concrete
8	Determination of moisture content	ČSN EN 1353	Aerated concrete
9	Determination of mass per unit area	ZP 06/95 (ČSN 50 3602, p. 10, 11)	Roofing and insulating materials
10	Determination of density	ZP 03/04 (ČSN EN ISO 1183-1, method A)	Plastics
11	Determination of mass per unit area	ZP 01/01 (ČSN EN ISO 12017, p. 6.1, 6.5)	Polymethyl methacrylate sheets
12	Determination of apparent density	ZP 09/07 (ČSN EN 1015-10)	Mortar
13	Determination of mass and apparent density	ČSN 72 2603, p. 5, 6, 11 to 14	Bricks
14	Determination of apparent density	ČSN EN 772-3	Masonry units
15	Determination of apparent density	ČSN EN 772-13	Masonry units
16	Determination of apparent density	ČSN EN 492+A2, p. 7.3.1	Fibre-cement slates
17	Determination of apparent density	ČSN EN 494+A1, p. 7.3.1	Fibre-cement slates
18	Determination of mass and apparent density	ČSN EN 12859, p. 5.5, 5.6	Gypsum blocks
19	Determination of apparent density	ČSN EN 1602	Thermal insulating products
20	Determination of apparent density	ČSN EN 13470	Thermal insulating products

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
21	Determination of mass per unit area	ČSN EN 1849-1, p. 5	Flexible sheets for waterproofing
22	Determination of mass per unit area	ČSN EN 1849-2, p. 6	Flexible sheets for waterproofing
23	Determination of apparent density	ČSN EN 12390-7	Concrete
24	Determination of mass	ČSN EN 12608-1, p. 6.3	PVC profiles
25	Determination of mass per unit area	ČSN EN 29073-1	Textiles
26	Determination of apparent density	ČSN EN 12467+A1, p. 7.3.1	Fibre-cement slates
27	Determination of apparent density	ČSN EN 520+A1, p. 5.11	Gypsum plasterboards
28	Determination of apparent density	ČSN EN 12190, p. 7.1	Products and systems for concrete protection and repairs
29	Determination of the dry apparent density	ZP 01/10 (ČSN EN 678)	Aerated concrete
30	Determination of water and moisture absorption	ČSN 49 0104	Wood
31	Determination of water absorption	ZP 09/95 (ČSN 50 3602, p. 44 to 48)	Roofing and insulating materials
32	Determination of water absorption	ZP 02/99 (ČSN EN ISO 62 except p.7.2)	Plastics
33	Determination of water absorption	ČSN 67 3039	Paints
34	Determination of water absorption coefficient	ČSN EN 1015-18	Mortars
35	Determination of water absorption	ČSN EN 12808-5	Mortar and adhesives
36	Determination of water absorption	ČSN 72 2603, p. 7 to 10	Bricks
37	Determination of water absorption	ČSN EN 772-7	Masonry units
38	Determination of water absorption	ČSN EN 772-11	Masonry units
39	Determination of water absorption	ČSN EN 12859, p. 5.9	Gypsum blocks
40	Determination of water absorption	ČSN EN 1609	Thermal insulating products
41	Determination of water absorption	ČSN EN 12087	Thermal insulating products
42	Determination of water absorption	ČSN EN 13472	Thermal insulating products
43	Determination of moisture absorption	ZP 12/95 (ČSN 73 1327, p. 6 to 11)	Concrete

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
44	Determination of water absorption	ČSN 73 1357, p. 7.5	Aerated concrete
45	Determination of water absorption	ČSN EN 544, p. 6.4.3	Bitumen shingles
46	Determination of water absorption	ZP 06/06 (ČSN EN 520+A1, p. 5.9.1, 5.9.2)	Gypsum plasterboards
47	Determination of water absorption	ČSN EN 14223	Flexible sheets for waterproofing
48	Determination of organic content by ignition	ČSN EN 13820	Thermal insulating products
49	Determination of water impermeability	ZP 09/95 (ČSN 50 3602, p.53, 57 to 62)	Roofing and insulating materials
50	Determination of liquid water transmission rate	ČSN EN 1062-3	Paints
51	Determination of water impermeability	ČSN EN 492+A2, p. 7.3.3	Fibre-cement slates
52	Determination of resistance to water penetration	ČSN EN 13111	Underlays
53	Determination of watertightness	ZP 14/95 (ČSN 73 2578)	Surface finish
54	Determination of resistance to water penetration	ČSN EN ISO 811	Textiles
55	Determination of water impermeability	ČSN EN 12467+A1, p. 7.3.3	Fibre-cement slates
56	Determination of watertightness	ČSN EN 1928, method A	Flexible sheets for waterproofing
57	Test of capillarity water absorption	ETAG 004, p. 5.1.3.1	ETICS with rendering
58	Determination of volumetric changes	ČSN EN ISO 10563	Sealants
59	Determination of shrinkage	ČSN EN 12808-4	Mortar and adhesives
60	Determination of moisture expansion	ČSN EN 772-19	Masonry units
61	Determination of dimensional stability	ZP 21/03 (ČSN EN 1603)	Thermal insulating products
62	Determination of dimensional stability	ČSN EN 1604	Thermal insulating products
63	Determination of the coefficient of thermal expansion	ZP 02/04 (ČSN EN 13471)	Thermal insulating products
64	Determination of dimensional stability	ČSN EN 1107-1, except p. 8.1, 9.1	Flexible sheets for waterproofing
65	Determination of dimensional stability	ČSN EN 1107-2	Flexible sheets for waterproofing

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66	Determination of volumetric changes	ČSN 73 1320, except p. 3	Concrete
67	Determination of linear changes	ZP 02/10 (ČSN 73 1356)	Aerated concrete
68	Determination of shrinkage	ČSN EN 479	PVC profiles
69	Determination of shrinkage and expansion	ČSN EN 13454-2+A1, p. 4.5	Binders and factory made mixtures
70	Determination of crack formation	ČSN EN 13963, p. 5.3	Jointing materials
71	Determination of the coefficient of thermal expansion	ČSN EN 1770	Products and systems for concrete protection and repairs
72	Determination of shrinkage and expansion	ČSN EN 12617-4	Products and systems for concrete protection and repairs
73	Determination of dimensional stability and curling after exposure to heat	ČSN EN ISO 23999	Floor coverings
74	Determination of dimensional stability of paper tape	ČSN EN 13963, p. 5.6	Jointing materials
75	Determination of dimensional changes	ČSN EN 13872	Floor smoothing and levelling compounds
76	Determination of shrinkage	ČSN EN 680	Aerated concrete
77	Determination of breaking load and elongation at break	ZP 18/95 (ČSN 50 3602, p. 30 to 33)	Roofing and insulating materials
78	Determination of tear resistance	ČSN EN ISO 6383-1	Plastics
79	Determination of tensile properties	ČSN EN ISO 527-1	Plastics
80	Determination of tensile properties	ZP 20/95 (ČSN EN ISO 527-3)	Plastics
81	Determination of tensile properties	ČSN EN ISO 527-4	Plastics
82	Determination of tensile properties	ČSN EN ISO 527-5	Plastics
83	Determination of tensile strength and elongation at break	ZP 21/95 (ČSN EN ISO 1798)	Cellular materials
84	Determination of shear strength by tensile loading	ČSN EN 205	Adhesives
85	Determination of shear strength by tensile loading	ZP 04/99 (ČSN EN 1465)	Adhesives
86	Determination of elastic recovery	ZP 04/04 (ČSN EN ISO 7389)	Sealants

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
87	Determination of tensile properties	ZP 23/95 (ČSN EN ISO 8339)	Sealants
88	Determination of tensile properties	ZP 23/95 (ČSN EN ISO 8340)	Sealants
89	Determination of tensile strength perpendicular to faces	ČSN EN 1607	Thermal insulating products
90	Determination of tensile strength parallel to faces	ČSN EN 1608	Thermal insulating products
91	Shear test	ČSN EN 12090	Thermal insulating products
92	Determination of tensile properties	ČSN EN 13496	Thermal insulating products
93	Determination of tensile properties	ČSN EN 12311-1	Flexible sheets for waterproofing
94	Determination of tensile properties	ZP12/03 (ČSN EN 12311-2)	Flexible sheets for waterproofing
95	Determination of tensile properties	ČSN EN 544, p. 6.4.1	Bitumen shingles
96	Tensile test	ČSN EN ISO 10319	Geosynthetics
97	Determination of tensile properties	ČSN EN ISO 13431	Geotextiles
98	Determination of tensile properties	ZP 07/05 (ČSN EN ISO 527-2)	Plastics
99	Shear resistance of joints	ZP 07/05 (ČSN EN 12317-2)	Flexible sheets for waterproofing
100	Tensile test	ZP 02/05 (ČSN EN 13964, p. 5.3)	Suspended ceilings
101	Determination of shear strength	ČSN EN 520+A1, p. 5. 13	Gypsum plasterboards
102	Determination of resistance to tearing	ČSN EN 12310-1	Flexible sheets for waterproofing
103	Determination of resistance to tearing	ČSN EN 12310-2	Flexible sheets for waterproofing
104	Determination of peel resistance of joints	ČSN EN 12316-1	Flexible sheets for waterproofing
105	Determination of peel resistance of joints	ČSN EN 12316-2	Flexible sheets for waterproofing
106	Determination of shear resistance of joints	ČSN EN 12317-1	Flexible sheets for waterproofing
107	Shear test	ČSN EN 1373	Adhesives
108	Determination of resistance to tearing	ČSN EN 544, p. 6.4.2	Bitumen shingles
109	Determination of tensile strength of paper tape	ČSN EN 13963, p. 5.7	Jointing materials

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
110	Determination of tensile strength perpendicular to faces	ETAG 016, annex C, p. C.3	Thermal insulating products
111	Determination of shear strength	ČSN EN 14293, p. 4.3,4.5 a 4.7	Adhesives
112	Determination of flexibility	ČSN 50 3602, p. 34 to 38	Roofing and insulating materials
113	Determination of flexural properties	ČSN EN ISO 178	Plastics
114	Three-point bending test	ZP 01/01 (ČSN EN ISO 12017, p. 6.1, 6.10)	Polymethyl methacrylate sheets
115	Determination of flexural strength	ZP 24/95 (ČSN EN 1015-11, p. 8)	Mortar
116	Determination of transverse deformation	ČSN EN 12002:2017	Mortar and adhesives
117	Determination of flexural strength	ZP 24/95 (ČSN EN 12808-3, p. 7.3, 7.5)	Mortar and adhesives
118	Determination of flexural strength	ZP8-IM 490-024/95 (ČSN EN 13892-2, p. 6.1)	Screed materials
119	Determination of flexural strength and load-bearing capacity	ZP 08/05 (72 2605, except A)	Bricks
120	Determination of flexural strength	ČSN EN 492+A2, p. 7.3.2	Fibre-cement slates
121	Determination of flexural strength	ČSN 72 3630-2:2011, p. 6.4	Aerated concrete
122	Bending test	ČSN EN 12089 method B	Thermal insulating products
123	Determination of flexural strength	ZP8-IM 490-012/98 (ČSN EN 12390-5)	Concrete
124	Determination of flexural strength	ČSN EN 1351	Aerated concrete
125	Determination of flexural strength	ČSN ISO 4013:2001	Concrete
126	Determination of flexural strength	ČSN EN 13454-2+A1:2019, p. 4.4.5.2	Binders and factory made mixtures
127	Determination of flexural strength	ČSN EN 12467+A1, p. 7.3.2	Fibre-cement slates
128	Determination of flexural strength	ZP 03/05 (ČSN EN 13964, p. 4.6.2)	Suspended ceilings
129	Bending test	ZP 04/05 (ČSN EN 13964, p. 5.2)	Suspended ceilings
130	Determination of flexural strength	ČSN EN 13279-2, p. 4.5.4	Gypsum binders and plasters

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
131	Determination of flexural strength	ČSN EN 13963, p. 5.8	Jointing materials
132	Determination of flexural strength and deflection under load	ČSN EN 520+A1, p. 5.7, 5.8	Gypsum plasterboards
133	Determination of bending failure load and deflection under load	ZP 01/12 (ČSN EN 15283-1+A1, p. 5.6, 5.7)	Gypsum boards with fibrous reinforcement
134	Determination of water vapour transmission	ZP 01/00 (ČSN EN ISO 7783)	Paints
135	Determination of water vapour transmission	ČSN EN 1015-19	Mortar
136	Determination of water vapour transmission	ČSN EN 772-15	Masonry units
137	Determination of water vapour diffusion	ZP 12/06 ČSN 72 7030, except p.19,20 ČSN 72 7031:2006, except p. 3	Construction materials
138	Determination of water-vapour transmission	ZP 13/03 (ČSN EN 12086)	Thermal insulating products
139	Determination of water vapour transmission	ČSN EN 13469	Thermal insulating products
140	Determination of water vapour transmission	ZP 13/03 (ČSN EN 1931)	Flexible sheets for waterproofing
141	Determination of water vapour transmission	ZP 27/95 (ČSN 73 2580, ZP 28/95)	Surface finish
142	Determination of water vapour transmission	ČSN EN 12467+A1, p. 7.3.4	Fibre-cement slates
143	Determination of water vapour transmission	ZP 04/06 (ČSN EN ISO 12572)	Construction materials
144	Determination of thermal stability	ZP 30/95 (ČSN 50 3602, p. 39 to 43, ZP 31/95)	Roofing and insulating materials
145	Determination of resistance to flow	ČSN EN ISO 7390	Sealants
146	Determination of frost resistance	ZP 30/95 (ČSN 72 2452)	Mortar
147	Test of frost resistance	ČSN 72 2606:1999	Bricks
148	Test of frost resistance and heat-rain test	ČSN EN 492+A2, p. 7.4.1, 7.4.2	Fibre-cement slates
149	Determination of frost resistance	ČSN EN ISO 10545-12	Ceramic tiles

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
150	Determination of freeze-thaw resistance	ČSN EN 12091	Thermal insulating products
151	Artificial ageing test	ČSN EN 1296	Flexible sheets for waterproofing
152	Determination of frost resistance	ZP 30/95 (ČSN 73 1322, ZP 33/95)	Concrete
153	Cyclic freezing and drying test	ZP 30/95 (ČSN 73 1355, ZP 34/95)	Aerated concrete
154	Determination of frost resistance	ZP 30/95 (ČSN 73 2579)	Surface finish
155	Test by sudden temperature changes	ZP 30/95 (ČSN 73 2581)	Surface finish
156	Determination of behaviour after thermal loading	ČSN EN 478	PVC profiles
157	Determination of resistance to ridging and flowing	ČSN EN 544, p. 6.4.5, 6.4.6	Bitumen shingles
158	Determination of frost resistance	ČSN EN 772-18	Masonry units
159	Determination of frost resistance, heat-rain	ČSN EN 12467+A1, p. 7.4.1, 7.4.2	Fibre-cement slates
160	Determination of resistance to flowing at elevated temperature	ČSN EN 1110	Flexible sheets for waterproofing
161	Determination of thermal compatibility	ZP 01/06 (ČSN EN 13687-2)	Products and systems for concrete protection and repairs
162	Determination of thermal compatibility	ZP 01/06 (ČSN EN 13687-3)	Products and systems for concrete protection and repairs
163	Determination of thermal compatibility	ZP 01/06 (ČSN EN 13687-4)	Products and systems for concrete protection and repairs
164	Assessment after freeze-thaw cycles by simulation method	ETAG 004, p. 5.1.3.2.2	ETICS with rendering
165	Determination of pH	ZP 10/03 (ČSN EN 12860, p. 6.8)	Gypsum adhesives
166	Determination of dissolved substances	ZP 11/03 (ČSN 75 7346, p. 4.6.1, 5.5.1)	Construction materials
167	Determination of effects of liquid chemicals	ZP 39/95 (ČSN EN ISO 175)	Plastics
168	Determination of resistance to liquids	ZP 41/95 (ČSN EN ISO 2812-1)	Paints

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
169	Determination of resistance to liquids	ZP 42/95 (ČSN EN ISO 2812-2)	Paints
170	Test by hot water and soaking and drying test	ČSN EN 492+A2, p. 7.3.4, 7.3.5	Fibre-cement slates
171	Determination of chemical resistance	ČSN EN ISO 10545-13	Ceramic tiles
172	Test by exposure to liquid chemicals	ČSN EN 1847	Flexible sheets for waterproofing
173	Determination of effects of liquid chemicals	ČSN ISO 175:2001	Plastics
174	Test by hot water	ČSN EN 12467+A1, p. 7.3.5	Fibre-cement slates
175	Soaking - drying test	ČSN EN 12467+A1, p. 7.3.6	Fibre-cement slates
176	Determination of thermal compatibility	ZP 01/06 (ČSN EN 13687-1)	Products and systems for concrete protection and repairs
177	Determination of resistance to severe chemical attack	ZP 03/06 (ČSN EN 13529)	Products and systems for concrete protection and repairs
178	Peeling test	ČSN EN ISO 8510-2	Adhesives
179	Adhesion test	ZP 05/99 (ČSN EN ISO 4624)	Paints
180	Determination of adhesion and cohesion	ČSN EN ISO 9046	Sealants
181	Determination of adhesion and cohesion	ČSN EN ISO 9047	Sealants
182	Determination of adhesion and cohesion	ZP 06/99 (ČSN EN ISO 10590)	Sealants
183	Determination of adhesion and cohesion	ČSN EN ISO 10591	Sealants
184	Determination of adhesion	ČSN EN 1015-12	Mortar
185	Determination of cohesion	ČSN EN 1015-21	Mortar
186	Determination of slip	ČSN EN 1308:2017	Mortar and adhesives
187	Determination of adhesion	ČSN EN 1324	Mortar and adhesives
188	Determination of open time	ČSN EN 1346:2017	Mortar and adhesives
189	Determination of adhesion	ČSN EN 1348:2017	Mortar and adhesives
190	Determination of adhesion	ČSN EN 12003	Mortar and adhesives
191	Determination of adhesion	ČSN EN 13892-8	Screed materials
192	Determination of adhesion	ČSN EN 12860, p. 6.7	Gypsum adhesives
193	Determination of adhesion	ČSN EN 13494	Thermal insulating products
194	Determination of adhesion	ZP 46/95 (ČSN 73 2577)	Surface finish

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
195	Determination of adhesion	ČSN EN 13279-2, p. 4.6	Gypsum binders and plasters
196	Determination of adhesion	ČSN EN 13963:2016, p. 5.5	Jointing materials
197	Determination of cohesion by pull-off	ZP 01/06 (ČSN EN 1542, ZP 05/06)	Products and systems for concrete protection and repairs
198	Determination of compatibility on wet concrete	ZP 01/06 (ČSN EN 13578)	Products and systems for concrete protection and repairs
199	Peeling test	ČSN EN 1372	Adhesives
200	Determination of adhesion	ČSN EN 14496, p. 4.6	Gypsum adhesives
201	Determination of adhesion / cohesion of insulating layer	ČSN EN 13950, p. 5.4	Gypsum plasterboards
202	Determination of tensile adhesion	ČSN EN 14293, p. 4.4 a 4.6	Adhesives
203	Determination of dimensions	ZP 04/98 (ČSN 50 3602, p. 9)	Roofing and insulating materials
204	Determination of dimensions	ZP 01/01 (ČSN EN ISO 12017, p. 6.2, 6.3, 6.4)	Polymethyl methacrylate sheets
205	Determination of dimensions	ČSN EN 772-16	Masonry units
206	Determination of dimensions	ČSN EN 492+A2, p. 7.2	Fibre-cement slates
207	Determination of dimensions	ČSN EN 822	Thermal insulating products
208	Determination of thickness	ČSN EN 823	Thermal insulating products
209	Determination of squareness	ČSN EN 824	Thermal insulating products
210	Determination of flatness	ČSN EN 825	Thermal insulating products
211	Determination of dimensions	ČSN EN 12085	Thermal insulating products
212	Determination of thickness	ČSN EN 12431	Thermal insulating products
213	Determination of dimensions, squareness and linearity	ČSN EN 13467	Thermal insulating products
214	Determination of dimensions and straightness	ČSN EN 1848-1	Flexible sheets for waterproofing
215	Determination of dimensions and straightness	ČSN EN 1848-2	Flexible sheets for waterproofing
216	Determination of thickness	ČSN EN 1849-1, p. 4	Flexible sheets for waterproofing
217	Determination of thickness	ČSN EN 1849-2, p. 5	Flexible sheets for waterproofing
218	Determination of dimensions	ČSN EN 12390-1	Concrete
219	Determination of dimensions	ČSN 73 1350, p. 10	Aerated concrete
220	Determination of dimensions	ČSN EN 12608-1, p. 6.2	PVC profiles

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
221	Determination of geometric properties	ČSN EN 544, p. 6.3	Bitumen shingles
222	Determination of dimensions	ČSN EN ISO 14632, p. 5.4	Extruded sheets of polyethylene
223	Determination of thickness, length, width and squareness	ČSN EN ISO 15013, p. 5.4.1, 5.4.2, 5.4.3	Extruded sheets of polyethylene
224	Determination of dimensions	ČSN EN ISO 7823-1, p. 6.4	Polymethyl methacrylate sheets
225	Determination of dimensions	ČSN EN ISO 7823-3, p. 6.4	Polymethyl methacrylate sheets
226	Determination of dimensions	ČSN EN ISO 11963, p. 4.4	Polycarbonate sheets
227	Determination of dimensions and geometric properties	ČSN EN 12467+A1, p. 7.2	Fibre-cement slates
228	Determination of width, length a thickness	ČSN EN 520+A1, p. 5.2, 5.3, 5.4	Gypsum plasterboards
229	Determination of dimensions	ČSN EN 13950, p. 5.2	Gypsum plasterboards
230	Determination of flatness	ČSN EN 13950, p. 5.4	Gypsum plasterboards
231	Determination of compressive properties	ČSN EN ISO 604	Plastics
232	Determination of compressive resistance	ZP 03/99 (ČSN EN ISO 3386-1)	Cellular materials
233	Determination of compressive resistance	ZP 03/99 (ČSN EN ISO 3386-2)	Cellular materials
234	Determination of compressive strength	ZP 10/98 (ČSN EN 1051-1, p. 6.1, annex A)	Glass hollow blocks
235	Determination of compressive strength	ČSN EN 1015-11, except p. 8	Mortar
236	Determination of compressive strength	ČSN EN 12808-3, except p. 7.3, 8.1	Mortar and adhesives
237	Determination of compressive strength	ČSN EN 13892-2, except p. 5.2.1, 6.1	Screed materials
238	Determination of compressive strength	ČSN EN 772-1+A1	Masonry units
239	Compression test	ČSN EN 826	Thermal insulating products
240	Determination of compressive creep	ČSN EN 1606	Thermal insulating products
241	Determination of shear strength by compressive loading	ČSN EN 12090	Thermal insulating products
242	Determination of behaviour under point load	ČSN EN 12430	Thermal insulating products
243	Determination of resistance to penetration	ČSN EN 13498	Thermal insulating products

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
244	Determination of compressive strength	ZP 11/98 (ČSN EN 12390-3)	Concrete
245	Determination of compressive strength	ČSN 70 1680:2003, p. 15, 17	Foam glass
246	Determination of compressive strength	ČSN EN 13279-2, p. 4.5.5	Gypsum binders and plasters
247	Determination of resistance to static loading	ČSN EN 12730	Flexible sheets for waterproofing
248	Determination of the strength of welded corners and T-joints	ZP 02/06 (ČSN EN 514)	PVC profiles
249	Determination of shear strength by compressive loading	ČSN ISO 6238:2005	Adhesives
250	Determination of hardness	ČSN EN 13279-2, p. 4.5.3	Gypsum binders and plasters
251	Determination of resistance to deformation under load	ČSN EN 14909, annex B	Flexible sheets for waterproofing
252	Determination of compressive strength	ČSN EN 12190, p. 7.2	Products and systems for concrete protection and repairs
253	Determination of modulus of elasticity in compression	ČSN EN 13412	Products and systems for concrete protection and repairs
254	Determination of compressive strength	ČSN EN 679	Aerated concrete
255	Test of susceptibility to efflorescence	ČSN 72 2608	Bricks
256	Determination of capillarity	ČSN 73 1316:2003, p. 5	Concrete
257	Determination of capillarity	ZP 49/95 (ČSN 73 1357, p. 7.4)	Aerated concrete
258	Determination of deformation after specified compressive load and temperature conditions	ZP 01/95	Cellular materials
259	Determination of deformation after specified compressive load and temperature conditions	ZP 05/98 (ČSN EN 1605)	Thermal insulating products
260	Determination of content of natural radionuclides ²²⁶ Ra, ⁴⁰ K, ²²⁸ Th in construction materials by gamma-ray spectrometry. Determination of mass activity index I by calculation from measured values.	ZP 23 (ČSN 75 7600) ČSN ISO 10703:2008 SÚJB Guideline 2017 – Measurement and evaluation of the content of natural radionuclides in construction materials)	Construction materials

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
261	Determination of resistance to impact	ČSN EN 13497	Thermal insulating products
262	Determination of resistance to impact	ČSN EN 477	PVC profiles
263	Determination of board surface hardness	ČSN EN 520+A1, p. 5.12	Gypsum plasterboards
264	Determination of resistance to impact	ČSN EN 12691	Flexible sheets for waterproofing
265	Determination of resistance to impact	ČSN EN ISO 6272-1	Paints
266	Determination of resistance to impact	ČSN EN ISO 6272-2	Paints
267	Determination of resistance to hard object impact	ETAG 004, p. 5.1.3.3	ETICS with rendering
268	Determination of appearance	ČSN EN ISO 15013, p. 5.3	Polypropylene sheets
269	Determination of appearance, colour	ČSN EN ISO 7823-1, p. 5.2, 5.3, 6.2, 6.3	Polymethyl methacrylate sheets
270	Determination of appearance, colour	ČSN EN ISO 7823-3, p. 6.2, 6.3	Polymethyl methacrylate sheets
271	Determination of degree of blistering	ČSN EN ISO 4628-2	Paints
272	Determination of degree of cracking	ČSN EN ISO 4628-4	Paints
273	Determination of degree of flaking	ČSN EN ISO 4628-5	Paints
274	Determination of apparent defects	ČSN EN 1850-1	Flexible sheets for waterproofing
275	Determination of apparent defects	ČSN EN 1850-2	Flexible sheets for waterproofing
276	Determination of visual properties	ČSN EN 1013+A1, p. 5.1	Plastic sheets
277	Determination of workable life	ČSN EN 1015-9, p. 6	Mortar
278	Determination of aqueous coefficient and setting time	ČSN EN 13279-2, p. 4.3.2, 4.4	Gypsum binders and plasters
279	Determination of setting time	ČSN EN 13963, p. 5.2	Jointing materials
280	Determination of setting time	ZP 10/06 (ČSN EN 13294)	Products and systems for concrete protection and repairs
281	Determination of setting time	ČSN EN 13454-2+A1, p. 4.3	Binders and factory made mixtures
282	Determination of slump value	ČSN EN 13454-2+A1, p. 4.4.2.2.2, 4.4.3	Binders and factory made mixtures
283	Determination of consistency	ČSN EN 14293, p. 4.2	Adhesives

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- 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)

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
1 to 283

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:

ZP - Test procedure of the Testing Laboratory of Physical Properties of Materials, Structures and Buildings – Prague

4. Fire technical laboratory

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
1	Determination of flash point of flammable liquids according to Abel-Pensky	ČSN EN 57 ČSN EN 924 ČSN EN ISO 1523	Flammable liquids
2	Determination of flash point of flammable liquids according to Pensky-Martens	ČSN EN ISO 2719	Flammable liquids
3	Determination of flash point and fire point of flammable liquids according to Cleveland	ČSN EN ISO 2592	Flammable liquids
4	Determination of flash point of flammable liquids – rapid equilibrium method	ČSN EN ISO 3679 (for flash point > 5°C)	Flammable liquids
5	Determination of ignition point and temperature class of flammable vapours of liquids	ČSN EN 14522	Flammable liquids
6	Determination of ignition point, flash point and glow point of solid state materials	ČSN 64 0149	Flammable solids

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
7	Determination of gross calorific value of liquid and solid substances and materials	ČSN EN ISO 1716, except Annex A	Flammable liquids and solids
8	Determination of fire resistance of building products	ČSN EN ISO 1182	Building products
9	Determination of flammability degree of building materials	ZP 04-01 (ČSN 73 0862)	Building materials
10	Determination of ignitability of building products	ČSN EN ISO 11925-2, ISO 11925-3	Building products
11	Fire classification of building products	DIN 4102-1, art. 6	Building products
12	Determination of fire resistance of sound barriers	ČSN EN 1794-2, Annex A, p. A.3	Road traffic noise reducing devices
13	Reaction to fire tests for building products	ČSN EN 13823	Building products
14	Reaction to fire tests for floorings	ČSN EN ISO 9239-1	Floorings
15	Evaluation of materials drainage of the soffits of ceilings and roofs	ČSN 73 0865	Building products
16	Determination of flame propagation along the surface of building materials	ČSN 73 0863	Building materials
17	Determination of vertical flame spread along the surface of facades	ČSN ISO 13785-1	Building products
18	Determination of burning behaviour of materials for manufacture and interior of road vehicles, tractors, machinery for agriculture and forestry	ČSN ISO 3795, DIN 75200, FMVSS 571.302, p. S5, directive 95/28/EC of 24/10/1995, annex IV, V, VI,	Materials for construction of road vehicles, tractors, machinery for agriculture and forestry
19	Determination of burning behaviour of materials for the manufacture and interior of rail vehicles	UIC 564-2, annex 4 to 6,8,10 to 13	Materials for construction of rail vehicles

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
1 to 19

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 - Deutsches Institut für Normung
- UIC - Union Internationale des Chemins de Fer
- FMVSS - Federal Motor Vehicle Safety Standards
- EC - European Commission
- ZP - Test procedure of the Testing Laboratory of Physical Properties of Materials, Structures and Buildings – Prague