



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
(Czech Accreditation Institute)
Hájkova 2747/22, Žižkov, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products and on changes and amendments to some Acts, as amended

CERTIFICATE OF ACCREDITATION

No. **557/2025**

TPA ČR, s.r.o.
with registered office **Vrbenská 1821/31, 370 06 České Budějovice**
Company Registration No. 25122835

for the Testing Laboratory No. **1181**
TL TPA ČR

Scope of accreditation:

Testing and assessment of building materials and structures for buildings, building industry and production of building materials, sampling of building materials to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the abovementioned Accredited Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited conformity assessment body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 548/2024 of 14/10/2024, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **03/11/2030**

Prague: 03/11/2025



Signed in the Czech original:
Jan Velíšek on 03/11/2025

Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute

This translation of the Czech original has been issued by: Eliška Frycová

**The Appendix is an integral part of
Certificate of Accreditation No. 557/2025 of 03/11/2025**

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

TPA ČR, s.r.o.
CAB number 1181, TL TPA ČR
Vrbenská 1821/31, 370 06 České Budějovice

Testing laboratory locations:

- | | | |
|----|--|---|
| 1. | Workplace No. 1 České Budějovice | Vrbenská 1821/31, 370 06 České Budějovice |
| 2. | Workplace No. 2 Plzeň | Šlovice 122, 321 00 Plzeň |
| 3. | Workplace No. 3 Brno | Tovární 3 (Strabag site), 643 00 Brno |
| 4. | Workplace No. 4 Olomouc | Tovární 731, 783 53 Velká Bystřice |
| 5. | Workplace No. 5 Ostrava | Polanecká 827, 721 08 Ostrava – Svinov |
| 6. | Workplace No. 6 Praha | Ústřední 62, 102 00 Praha 10 |
| 7. | Workplace No. 7 chemical Laboratory | Tovární 731, 783 53 Velká Bystřice |

The laboratory provides opinions and interpretations of the test results.

The laboratory is qualified to carry out standalone sampling.

Detailed information on activities within the scope of accreditation (determined analytes) is given in the section „Specification of the scope of accreditation“.

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
1 ^{1,2,3,4,5,6}	Determination of particle size distribution by sieving analysis	ČSN EN 933-1; EN 933-1	Aggregates	-
2 ^{1,2,3,4,5,6}	Determination of the water content by gravimetry	ČSN EN 1097-5; EN 1097-5	Aggregates	-
3 ^{1,2,3,4,5,6}	Determination of particle density and water absorption by weighing	ČSN EN 1097-6, excl. Annex E; EN 1097-6, excl. Annex E	Aggregates	-
4 ^{1,2,3,4,5,6}	Determination of particle shape - Shape index	ČSN EN 933-4; EN 933-4	Aggregates	-
5 ³	Delta ring and ball test (determination of the stiffening effect of filler)	ČSN EN 13179-1; EN 13179-1	Aggregates	-
6 ^{1,2,3,4,5,6}	Determination of the quality of fines by methylene blue test	ČSN EN 933-9; EN 933-9	Aggregates	-
7 ⁴	Determination of resistance to fragmentation	ČSN EN 1097-2, except cl. 6; EN 1097-2, except cl. 6	Aggregates	-
8 ^{1,4}	Determination of resistance to freezing and thawing	ČSN EN 1367-1; EN 1367-1	Aggregates	-
9 ^{1,2,3,5,6}	Assessment of fines – sand equivalent test	ČSN EN 933-8+A1; EN 933-8+A1	Aggregates	-
10 ^{1,2,3,4,5,6}	Determination of adhesion of bituminous binder to aggregate	ČSN 73 6161	Bitumen and bituminous binders	-
11 ^{1,2,3,4,5,6}	Determination of needle penetration	ČSN EN 1426; EN 1426; ČSN EN 12697-3+A1; EN 12697-3+A1	Bitumen and bituminous binders	-

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Ordinal number¹	Test procedure / method name	Test procedure / method identification²	Tested subject	Degrees of freedom³
12 ^{1,2,3,4,5,6}	Determination of softening point by ring and ball method	ČSN EN 1427; EN 1427; ČSN EN 12697-3+A1; EN 12697-3+A1	Bitumen and bituminous binders	-
13 ^{1,3}	Determination of ductility	ČSN 65 7061	Bitumen and bituminous binders	-
14 ³	Determination of Fraass breaking point	ČSN EN 12593; EN 12593	Bitumen and bituminous binders	-
15 ^{1,3}	Determination of the elastic recovery	ČSN EN 13398; EN 13398; ČSN EN 12697-3+A1; EN 12697-3+A1	Bitumen and bituminous binders	-
16 ^{1,2,3,4,5,6}	Determination of soluble binder content	ČSN EN 12697-1; EN 12697-1; ČSN EN 12697-28; EN 12697-28	Bituminous mixtures	-
17 ^{1,2,3,4,5,6}	Marshall test	ČSN EN 12697-34; EN 12697-34	Bituminous mixtures	-
18 ^{1,2,3,4,5,6}	Determination of bulk density of test specimens	ČSN EN 12697-6; EN 12697-6; ČSN EN 12697-29; EN 12697-29; ČSN EN 12697-30; EN 12697-30	Bituminous mixtures	-
19 ^{1,4,5,6}	Determination of absorption power on Marshall specimens	ČSN 73 6160, chap. 6	Bituminous mixtures	-
20 ^{1,2,3,4,5,6}	Determination of the water sensitivity of bituminous specimen	ČSN EN 12697-12; EN 12697-12	Bituminous mixtures	-
21 ^{1,2,3,4,5,6}	Determination of binder drainage – beaker method	ČSN EN 12697-18 cl. 1, 2, 3, 5; EN 12697-18 cl. 1, 2, 3, 5	Bituminous mixtures	-
22 ^{1,2,3,4,5,6}	Determination of the indirect tensile strength	ČSN EN 12697-23; EN 12697-23	Bituminous mixtures	-
23 ^{1,4,6}	Determination of permanent deformation by wheel tracking	ČSN EN 12697-22+A1; EN 12697-22+A1	Bituminous mixtures	-
24 ³	Determination of hardness number using cube or cylindrical test specimens	ČSN EN 12697-20; EN 12697-20	Bituminous mixtures	-
25 ^{1,2,3,4,5,6}	Determination of the degree of compaction of a bituminous mixtures using cored specimens	ČSN 73 6160 cl. 7.2 method a), c)	Pavement courses	-
26 ^{1,2,3,4,5,6}	Determination of layer thickness	ČSN EN 12697-36, excl. cl. 4.4 and 6.2; EN 12697-36, excl. cl. 4.4 and 6.2	Pavement courses	-
27 ^{1,2,3,4,5,6}	Shear test of connection of bituminous layers	ČSN 73 6160 cl. 7.3	Pavement courses	-

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Vrbenská 1821/31, 370 06 České Budějovice

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
28* ^{1,2,3,4,5,6}	Determination of compaction degree using a non-destructive method	ČSN 73 1375; ČSN 72 1006, Annex F; ČSN 73 6160 cl. 7.2 method b)	Pavement courses	-
29* ^{1,2,3,4,5,6}	Irregularity measurement by check bar	ČSN 73 6175, chap. 8 ČSN EN 13036-8, excl. cl. 1.3.2 Annex A EN 13036-8, excl. cl. 1.3.2 Annex A	Pavement courses	-
30* ^{1,2,3,5,6}	Irregularity measurement by planograph	ČSN 73 6175, chap. 9	Pavement courses	-
31 ^{1,2,3,4,5,6}	Determination of water content by gravimetry	ČSN EN ISO 17892-1; EN ISO 17892-1	Soils	-
32* ^{1,2,3,4,5,6}	Determination of density of soils	ČSN 72 1010, method A, D	Soils	-
33 ^{1,2,4,5,6}	Determination reference bulk density and water content by Proctor test	ČSN EN 13286-2, excl. cl. 7.3 and 7.6; EN 13286-2, excl. cl. 7.3 and 7.6	Unbound mixtures, hydraulically bound mixtures and soil	-
34 ^{1,2,3,4,5,6}	Determination of particle size distribution	ČSN EN ISO 17892-4, cl. 5.1-5.3; EN ISO 17892-4, cl. 5.1-5.3	Soils	-
35 ^{1,2,3,4,5,6}	Determination of Atterberg limits	ČSN EN ISO 17892-12 (excl. cl. 4.3, 5.4, 6.3 and A.3.7); EN ISO 17892-12 (excl. cl. 4.3, 5.4, 6.3 and A.3.7)	Soils	-
36 ^{1,2,4,6}	Determination of relative compactness	ČSN 72 1018	Soils	-
37* ^{1,2,3,4,5,6}	Impact loading test by light dynamic plate	ČSN 73 6192, method C	Soils and base courses	-
38* ^{1,2,3,4,5,6}	Static loading test	ČSN 73 6190; ČSN 72 1006, Annex A, B, D	Soils and base courses	-
39 ^{1,2,4,5,6}	Determination of California bearing ratio, immediate bearing index and linear swelling	ČSN EN 13286-47; EN 13286-47	Soils and base courses	-
40* ^{1,2,3,4,5,6}	Slump test	ČSN EN 12350-2; EN 12350-2	Fresh concrete	-
41 ^{4,6}	Flow test	ČSN EN 12350-5; EN 12350-5	Fresh concrete	-
42* ^{1,2,3,4,5,6}	Determination of air content by pressure method	ČSN EN 12350-7, excl. cl. 5; EN 12350-7, excl. cl. 5	Fresh concrete	-
43 ^{1,4,5,6}	Determination of compressive strength	ČSN EN 12390-3; EN 12390-3; ČSN EN 12504-1, excl. cl. 6; EN 12504-1, excl. cl. 6	Hardened concrete	-
44 ^{4,5,6}	Determination of flexural strength of test specimens	ČSN EN 12390-5; EN 12390-5	Hardened concrete	-
45 ^{1,4,5,6}	Determination of density	ČSN EN 12390-7; EN 12390-7	Hardened concrete	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
46 ^{1,4,5,6}	Determination of depth of penetration of water under pressure	ČSN EN 12390-8; EN 12390-8	Hardened concrete	-
47 ^{1,4,5,6}	Determination of surface resistance to water and chemical de-icing agents	ČSN 73 1326, method A and method C	Hardened concrete	-
48 ^{1,2,3,4,5,6}	Determination of grain size	ČSN EN 12697-2; EN 12697-2; ČSN EN 12697-28; EN 12697-28	Bituminous mixtures	-
49 ^{*1,2,3,4,5,6}	Determination of degree of compactability	ČSN EN 12350-4; EN 12350-4	Fresh concrete	-
50 ^{*1,2,3,4,5,6}	Determination of mass per unit volume	ČSN EN 12350-6; EN 12350-6; IZP No. 21 (ČSN EN 12350-6)	Fresh concrete	-
51 ^{*1,5,6}	Determination of hardness by rebound hardness tester	ČSN 73 1370; ČSN 73 1373, excl. cl. 6.3 and Annex A and B; ČSN EN 12504-2; EN 12504-2	Hardened concrete	-
52 ⁶	Determination of the indirect tensile strength	ČSN EN 12390-6; EN 12390-6	Hardened concrete	-
53 ⁶	Determination of static modulus of elasticity in compression	ČSN ISO 1920-10; ISO 1920-10; ČSN EN 12390-13; EN 12390-13	Hardened concrete	-
54 ⁶	Determination of frost resistance	ČSN 73 1322	Hardened concrete	-
55 ^{*1,4,5,6}	Pile integrity measurement by PIT method	IZP No. 24 (Manual to PIT equipment); ASTM D5882, cl.6	Concrete and reinforced concrete structures	-
56 ⁶	Determination of compressive strength	ČSN EN 14488-2	Sprayed concrete	-
57 ^{3,4}	Determination of storage stability	ČSN EN 13399; EN 13399	Bitumen and bituminous binders	-
58 ^{1,2,3,4,5,6}	Determination of grading of fillers	ČSN EN 933-10; EN 933-10	Aggregates	-
59 ⁶	Determination of water and cement content	ČSN 73 1314, cl. 2.2, 2.3	Fresh concrete	-
60 ^{1,3,5,6}	Determination of loose bulk density and voids of bulk material	ČSN EN 1097-3; EN 1097-3	Aggregates	-
61 ^{1,4,5,6}	Determination of compressive strength	ČSN EN 13286-41; EN 13286-41	Unbound mixtures, hydraulically bound mixtures and soil	-
62 ^{1,4,5,6}	Determination of layer thickness	ČSN EN 13863-3; EN 13863-3	Pavement courses	-
63 ^{1,5,6}	Determination of voids	ČSN 73 6124-2, Annex A	Concrete drainage layers	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
64 ^{4,6}	Determination of resistance to frost and water	ČSN 73 6124-1, Annex A	Hydraulically bound mixtures	-
65 ^{1,4,5,6}	Determination of the indirect tensile strength	ČSN EN 13286-42; EN 13286-42	Unbound mixtures, hydraulically bound mixtures and soil	-
66* ^{1,5,6}	Determination of pavement surface macrotexture depth using a volumetric patch technique	ČSN EN 13036-1; EN 13036-1	Pavement courses	-
67 ³	Measurement of slip/skid resistance of a surface using a pendulum	ČSN EN 13036-4; EN 13036-4	Pavement courses	-
68* ^{1,3,4,5,6}	Determination of layer adhesion and tensile strength	ČSN 73 6242, Annex B	Concrete structures and components, insulation layers	-
69* ¹	Testing of impermeability	ČSN 73 6242, Annex D, E	Concrete structures and components, insulation layers	-
70* ^{1,4,5,6}	Pile integrity test by CHA method	IZP No. 25 (manual to CHA equipment); ASTM D6760, cl. 7	Concrete and reinforced concrete structures	-
71 ^{1,2,3,4,5,6}	Determination of the maximum density	ČSN EN 12697-5; EN 12697-5	Bituminous mixtures	-
72 ^{1,2,3,4,5,6}	Determination of the air void content	ČSN EN 12697-8; EN 12697-8	Bituminous mixtures	-
73* ¹	Determination of water content by gravimetry	TP 211, Annex 3; TP 164, Annex 2	Hardened concrete	-
74* ^{1,2,3,4,5,6}	Determination of sprayed volume by gravimetry	IZP No. 22 (ČSN EN 12272-1)	Pavement courses	-
75 ³	Determination of complex shear modulus and phase angle by Dynamic Shear Rheometer (DSR)	ČSN EN 14770; EN 14770	Bitumen and bituminous binders	-
76 ³	MSCR Test	ČSN EN 16659; EN 16659	Bitumen and bituminous binders	-
77 ³	Determination of dynamic viscosity by the cone and plate method	ČSN EN 13702; EN 13702	Bitumen and bituminous binders	-
78 ³	Determination of the resistance to hardening under influence of heat and air by RTFOT method	ČSN EN 12607-1; EN 12607-1	Bitumen and bituminous binders	-
79 ⁶	Determination of density at 25°C	ČSN EN 13880-1	Hot applied joint sealants	-
80 ⁶	Determination of cone penetration at 25 °C	ČSN EN 13880-2	Hot applied joint sealants	-
81 ⁶	Determination of penetration and recovery (resilience)	ČSN EN 13880-3	Hot applied joint sealants	-
82 ⁴	Determination of density	ČSN EN 1015-10; EN 1015-10	Mortars	-

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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested subject	Degrees of freedom ³
83 ⁴	Determination of flexural strength and compressive strength	ČSN EN 1015-11; EN 1015-11; ČSN EN 13892-2; EN 13892-2	Mortars, screed materials	-
84 ²	Asphalt binder analysis by ignition method	ČSN EN 12697-39; EN 12697-39	Bituminous mixtures	-
85* ^{4,5}	Determination of protection of surface layer steel reinforcement	ČSN 73 2011, Annex A	Concrete and reinforced concrete structures	-
86 ⁷	Determination of polycyclic aromatic hydrocarbons (PAHs) by gas chromatography (GC-MS)	SOP-PAH, except cl. 8.2 (ČSN EN 17503)	Bituminous mixture, bituminous binder, bituminous recycle, penetrating macadam	-
87 ⁷	Determination of dry matter by gravimetry	SOP-PAH, cl. 8.2 (ČSN EN 15934)	Bituminous mixture, bituminous binder, bituminous recycle, penetrating macadam	-
88* ⁶	Determination of the load-bearing capacity of rock anchors and bolts	IZP č. 27 (ČSN EN ISO 22477-5)	Concrete and geotechnical structures	-
89 ³	Determination of solubility	ČSN EN 12592; EN 12592	Bitumen and bituminous binders	-
90 ³	Determination of bulk density and water absorption by pycnometry	ČSN EN 1097-7; EN 1097-7	Aggregates	-
91* ⁶	Measurement of irregularity by straightedge	ČSN EN 13036-7; EN 13036-7		-
92 ⁶	Determination of depth of penetration of water under pressure	ČSN 73 1321:1987	Hardened concrete	-

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 valid edition of the specified procedure is used (including any changes)

³ the laboratory does not apply a flexible approach to the scope of accreditation

Specification of the scope of accreditation:

Ordinal test number	Detailed information on activities within the scope of accreditation (determined analytes)
86	anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, phenanthrene, fluoranthene, indeno(1,2,3 cd)pyrene, naphthalene, pyrene

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Sampling:

Ordinal number ²	Sampling procedure name	Sampling procedure identification ¹	Subject of sampling
1 ^{1,2,3,4,5,6}	Fresh concrete sampling	ČSN EN 12350-1; EN 12350-1	Fresh concrete
2 ^{1,2,3,4,5,6}	Aggregate sampling	ČSN EN 932-1, cl. 8.2, 8.8, 8.9; EN 932-1, cl. 8.2, 8.8, 8.9	Aggregates
3 ^{1,2,3,4,5,6}	Bituminous mixture sampling	ČSN EN 12697-27, cl. 4.1, 4.2, 4.3, 4.7; EN 12697-27, cl. 4.1, 4.2, 4.3, 4.7	Bituminous mixtures
4 ^{1,2,3,4,5,6}	Sampling - cored specimens	ČSN EN 12504-1, cl. 6; EN 12504-1, cl. 6	Hardened concrete, road layers
5 ^{1,2,3,4,5,6}	Bituminous binder sampling	ČSN EN 58, cl. 8.1.3, 8.1.5, 8.2.2, 8.2.5; EN 58, cl. 8.1.3, 8.1.5, 8.2.2, 8.2.5	Bitumen and bituminous binders
6 ⁶	Sampling of sprayed concrete	ČSN EN 14488-1; EN 14488-1	Sprayed concrete

¹ if the document identifying the sampling procedure is dated, only these specific procedures are used. If the document identifying the sampling procedure is not dated, the latest valid edition of the specified procedure is used (including any changes)

Explanatory notes:

MSCR – Determination of rheological properties of binders

RTFOT – Rolling Thin Film Oven Test

GC-MS – Gas chromatography with mass detection

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself. "