



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
Olšanská 54/3, 130 00 Praha 3

issues

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

CERTIFICATE OF ACCREDITATION

No. 167/2022

CONSULTEST s.r.o.
with registered office Veverí 331/95, Veverí, 602 00 Brno, Company Registration No. 25346784

to the Testing Laboratory No. 1211
Testing Laboratory

Scope of accreditation:

Testing of soils, stabilizations, aggregates, bitumen, bituminous mixtures and joint sealants, pavement courses, concrete, coatings, building structures and roads, sampling of aggregates, fresh concrete, bituminous mixtures and cement, determination of PAH by GC/MS method 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 Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the 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.: 18/2021 of 5. 1. 2021, or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **4. 4. 2027**

Prague: 4. 4. 2022




Lukáš Burda
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute
Public Service Company

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

CONSULTEST s.r.o.
Testing Laboratory
Medkova 4, 620 00 Brno - Tuřany

Testing laboratory locations:

- | | |
|-------------------------|--|
| 1. ZL Brno, | Medkova 4, 620 00 Brno - Tuřany |
| 2. ZL Napajedla, | Nábřeží 1592, 763 61 Napajedla |
| 3. ZL Uherské Hradiště, | Pivovarská 546, 686 01 Uherské Hradiště –
Jarošov |
| 4. ZL Znojmo, | Dobšická 17, 669 02 Znojmo |

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

Updated list of activities provided within the required flexible scope of accreditation is available on the laboratory website www.consultest.cz.

The Laboratory provides expert opinions and interprets test results.

The Laboratory is qualified to carry out independent sampling.

1. ZL Brno

Tests:

Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
001	Determination of particle size distribution of soils	ČSN EN ISO 17892-4, chap. 5.2., 5.3 STN EN ISO 17892-4, chap. 5.2, 5.3	Soils
002	Determination of the water content of soils	ČSN EN ISO 17892-1 STN EN ISO 17892-1	Soils
003	Determination of soil compactibility – Proctor test	ČSN EN 13286-2, National Annex NB	Soils
004	Determination of Atteberg limits	ČSN EN ISO 17892-12+A1, except cl. 4.3, 5.4 and 6.3 STN EN ISO 17892-12, except cl. 4.3, 5.4 and 6.3	Soils
005	Determination of California bearing ratio, immediate bearing index and linear swelling	ČSN EN 13286-47	Soils
006*	Determination of density with cutting ring	ČSN 72 1010, method A	Soils
007*	Determination of density by diaphragm volumeter	ČSN 72 1010, method D-1	Soils
008	Unconfined compression test on fine-grained soils	ČSN EN ISO 17892-7	Soils
009	Determination of density of fine-grained soil	ČSN EN ISO 17892-2, chap. 4.1	Soils
010	Determination of frost heaving of soils	ČSN 72 1191	Soils

**The Appendix is an integral part of
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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
011	Determination of apparent density of solid particles by pycnometer	ČSN EN ISO 17892-3	Soils
012	Determination of plastic limit of soils	ZP-32/05 (ČSN 721013:1968, Z1 2005)	Soils
013	Determination of liquid limit of soils	ZP-31/05 (ČSN 721014:1968, Z1:2005, method A,B)	Soils
014-100	Reserved		
101	Determination of the water content by drying in a ventilated oven	ČSN EN 1097-5	Aggregates
102	Determination of particle size distribution – Sieving analysis	ČSN EN 933-1 STN EN 933-1	Aggregates
103	Determination of particle shape - Shape index	ČSN EN 933-4 STN EN 933-4	Aggregates
104	Determination of laboratory reference density and water content – Proctor test	ČSN EN 13286-2, except cl. 7.3, 7.6 STN EN 13286-2 except cl. 7.3, 7.6	Aggregates
105	Reserved		
106	Assessment of fines – Sand equivalent test	ČSN EN 933-8+A1	Aggregates
107	Magnesium sulfate test	ČSN EN 1367-2	Aggregates
108	Determination of dense aggregate durability by accelerated test with sodium sulphate	ZP-5/02 (ČSN 72 1176:1968, Z2:2004)	Aggregates
109	Determination of alkali-aggregate reaction	ČSN 72 1179, method B	Aggregates
110	Determination of resistance of aggregates to fragmentation (by Los Angeles method)	ČSN EN 1097-2	Aggregates
111	Determination of loose bulk density and voids	ČSN EN 1097-3	Aggregates
112	Methylene blue test	ČSN EN 933-9 + A1	Aggregates
113	Determination of particle density and water absorption of aggregates	ČSN EN 1097-6	Aggregates
114	Determination of resistance of aggregates to freezing and thawing	ČSN EN 1367-1	Aggregates

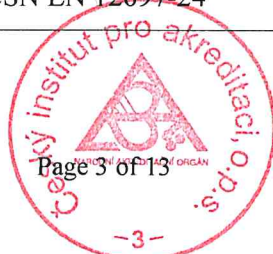


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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
115	Petrographic description of aggregates	ČSN EN 932-3, cl. 7	Aggregates
116	Determination of percentage of crushed and broken surfaces in coarse aggregate particles	ČSN EN 933-5	Aggregates
117	Determination of shell content in coarse aggregates	ČSN EN 933-7	Aggregates
118-200	Reserved		
201*	Measurement of temperature	ČSN EN 12697-13 STN EN 12697-13	Bituminous mixture
202	Determination of grain size	ČSN EN 12697-2+A1 ČSN EN 12697-28	Bituminous mixture
203	Determination of the maximum density	ČSN EN 12697-5: Corr. 1	Bituminous mixture
204	Determination of bulk density of bituminous specimens	ČSN EN 12697-6 STN EN 12697-6 ČSN EN 12697-30	Bituminous mixture
205	Determination of the dimensions of bituminous specimens	ČSN EN 12697-29	Bituminous mixture
206	Determination of the air void content of bituminous mixture	ČSN EN 12697-8	Bituminous mixture
207	Determination of soluble binder content	ČSN EN 12697-1 ČSN EN 12697-28	Bituminous mixture
208	Shear test of connection of bituminous layers	ČSN 736160, chap. 7.3	Bituminous mixture
209	Marshall test of bituminous mixtures	ZP-38/08 (ČSN 73 6160:1988, chap. V. A, cl. 164 - 189) ČSN EN 12697-34 ČSN EN 12697-30	Bituminous mixture
210	Determination of the indirect tensile strength	ČSN EN 12697-23 ČSN EN 12697-30	Bituminous mixture
211	Determination of the water sensitivity of bituminous specimens	ČSN EN 12697-12	Bituminous mixture
212	Determination of compactibility	ČSN EN 12697-10	Bituminous mixture
213	Determination of resistance to bending	ČSN EN 12697-26	Bituminous mixture
214	Determination of resistance to fatigue	ČSN EN 12697-24	Bituminous mixture



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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
215	Wheel tracking test	ČSN EN 12697-22 ČSN EN 12697-33+A1	Bituminous mixture
217-300	Reserved		
301	Determination of needle penetration	ČSN EN 1426	Bitumen
302	Determination of softening point – Ring and ball method	ČSN EN 1427 ČSN EN 12697-3+A1	Bitumen
303	Determination of ductility	ČSN 12697-3+A1	Bitumen
304	Determination of the Fraass breaking point	ČSN EN 12593	Bitumen
305	Determination of the elastic recovery	ČSN EN 13398	Bitumen
306	Determination of adhesion of bitumen to aggregate	ČSN 73 6161	Bitumen
307	Determination of the affinity between aggregate and bitumen	ČSN EN 12697-11	Bitumen
308	Determination of the storage stability of modified bitumen	ČSN EN 13339	Bitumen
309-400	Reserved		
401*	Static loading test of base courses	ČSN 72 1006, Annex A, B and D STN 73 6133, Annex F STN 721006:1995, method C	Pavement courses
402*	Impact loading test by LDD (light dynamic plate)	ČSN 73 6192, method C STN 73 6192	Road
403*	Determination of the thickness of a bituminous pavement	ČSN EN 12697-36, except cl. 4.2 STN EN 12697-36, except cl. 4.2	Road
404*	Measurement of road cross and longitudinal unevenness by check bar	ČSN 73 6175, chap. 8	Road
405*	Determination of pavement surface macrotexture depth using a volumetric patch technique	ČSN EN 13036-1 STN EN 13036-1	Road
406*	Determination of road microstructure by pendulum	ČSN EN 13036-4	Road
407*	Determination of International Roughness Index (IRI) by inertial profilometer	ČSN 73 6175, chap. 14	Road



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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
408*	Determination of mean profile depth (MPD) of pavement texture by use of surface profiles	ČSN EN ISO 13473-1	Road
409*	Measurement of the skid resistance of a pavement surface – determination of longitudinal friction coefficient (fp) using the dynamic measuring device - GripTester - SKIDDOMETER	ČSN 73 6177, chap. 9. ČSN P CEN/TS 15901-7 ČSN P CEN/TS 15901-12	Road
410-500.	Reserved		
501*	Determination of consistency – slump test	ČSN EN 12350-2 STN EN 12350-2	Fresh concrete
502*	Determination of air content in fresh concrete – pressure method	ČSN EN 12350-7 STN EN 12350-2	Fresh concrete
503	Determination of fresh concrete density	ČSN EN 12350-6 STN EN 12350-6	Fresh concrete
504	Determination of density of hardened concrete	ČSN EN 12390-7: Corr. 1 STN EN 12390-7 ČSN EN 12390-2 STN EN 12390-2	Hardened concrete
505	Determination of moisture content, absorption power and capillarity of concrete	ZP-23/05 (ČSN 73 1316:1990)	Hardened concrete
506*	Determination of layer adhesion and tensile strength of surface layers	ČSN 73 6242 (Annex B) STN 73 6242 (Annex B)	Surface finish
507*	Measurement of bond strength by pull-off	ČSN EN 1542 STN EN 1542	Surface finish
508*	Measurement of coating thickness – magnetic method	ČSN ISO 2178	Surface finish
509-600	Reserved		
601	Method by determination of density at 25 °C	ČSN EN 13880-1	Hot applied joint sealants
602	Determination of cone penetration at 25 °C	ČSN EN 13880-2	Hot applied joint sealants
603	Determination of compatibility with bituminous pavements	ČSN EN 13880-9	Hot applied joint sealants



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Ordinal number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
604	Determination of heat resistance of joint sealants (Change in penetration value)	ČSN EN 13880-4	Hot applied joint sealants
605	Determination of flow resistance	ČSN EN 13880-5	Hot applied joint sealants
606	Determination of hydrocarbon fuel resistance of joint sealants after fuel immersion	ČSN EN 13880-8	Hot applied joint sealants

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)

Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Sampled object
1	Aggregate sampling	ČSN EN 932-1 STN EN 932-1	Aggregates
2	Fresh concrete sampling	ČSN EN 12350-1 STN EN 12350-1	Concrete
3	Bituminous mixture sampling	ČSN EN 12697 – 27, except cl. 4, 5 and 4.9 STN EN 12697 – 27, except cl. 4., 5 and 4.9	Bituminous mixtures
4	Bituminous binder sampling	ČSN EN 58	Bitumen, bituminous binders
5	Cement sampling	ČSN EN 196-7	Cements

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2. ZL Napajedla

Tests:

Ordinal Number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
001	Determination of particle size distribution of soils	ČSN EN ISO 17892-4, chap. 5.2, 5.3	Soils
002	Determination of the water content of a soil	ČSN EN ISO 17892-1	Soils
003	Determination of soil compactibility – Proctor test	ČSN EN 13286-2, National Annex NB	Soils
004	Determination of Atteberg limits	ČSN EN ISO 17892-12+A1, except cl. 4.3, 5.4 and 6.3	Soils
005	Determination of California bearing ratio, immediate bearing index and linear swelling	ČSN EN 13286-47	Soils
006	Reserved		
007*	Determination of density by diaphragm volumometer	ČSN 72 1010 (method D-1)	Soils
008 - 100	Reserved		
101	Determination of the water content by drying in a ventilated oven	ČSN EN 1097-5	Aggregates
102	Determination of particle size distribution – Sieving analysis	ČSN EN 933-1	Aggregates
103	Determination of particle shape - Shape index	ČSN EN 933-4	Aggregates
104	Reserved		
105	Determination of polished stone value	ČSN EN 1097-8	Aggregates
106 -200	Reserved		
201*	Measurement of temperature	ČSN EN 12697-13	Bituminous mixture
202	Determination of grain size	ČSN EN 12697-2+A1 ČSN EN 12697-28	Bituminous mixture
203	Determination of the maximum density	ČSN EN 12697-5, Corr. 1	Bituminous mixture
204	Determination of bulk density of bituminous specimens	ČSN EN 12697-6 ČSN EN 12697-30	Bituminous mixture
205	Determination of the dimensions of bituminous specimens	ČSN EN 12697-29	Bituminous mixture



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Ordinal Number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
206	Determination of the air void content of bituminous mixture	ČSN EN 12697-8	Bituminous mixture
207	Determination of soluble binder content	ČSN EN 12697-1 ČSN EN 12697-28	Bituminous mixture
208	Shear test of connection of bituminous layers	ČSN 73 6160, chap. 7.3	Bituminous mixture
209-400	Reserved		
401*	Static loading test of base courses	ČSN 72 1006, Annex A, B and D	Pavement courses
402*	Impact loading test by LDD (light dynamic plate)	ČSN 73 6192, method C	Road
403*	Determination of the thickness of a bituminous pavement	ČSN EN 12697 -36, except cl. 4.2	Road
404*	Measurement of road cross and longitudinal unevenness by check bar	ČSN 73 6175, chap. 8	Road
405-500	Reserved		
501*	Determination of consistency – slump test	ČSN EN 12350-2	Fresh concrete
502*	Determination of air content in fresh concrete – pressure method	ČSN EN 12350-7	Fresh concrete
503*	Determination of fresh concrete density	ČSN EN 12,350-6	Fresh concrete
504	Determination of density of hardened concrete	ČSN EN 12390-7, Corr. 1 ČSN EN 12390-2	Hardened concrete
505	Reserved		
506*	Determination of layer adhesion and tensile strength of surface layers	ČSN 73 6242, Annex B	Surface finish

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

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Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Sampled object
1	Aggregate sampling	ČSN EN 932 – 1 STN EN 932 – 1	Aggregates
2	Fresh concrete sampling	ČSN EN 12350 – 1 STN EN 12350 – 1	Fresh concrete
3	Bituminous mixture sampling	ČSN EN 12697 – 27, except cl. 4, 5 and 4.9 STN EN 12697 – 27, except cl. 4, 5 and 4.9	Bituminous mixtures

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3. ZL Uherské Hradiště

Tests:

Ordinal Number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
0-700	Reserved		
701	Determination of PAH by GC/MS method and their sum by calculation from the measured values ³	ZP-39/20 (ČSN EN 15527)	Bituminous mixture, bituminous binder, bituminous recycled materials

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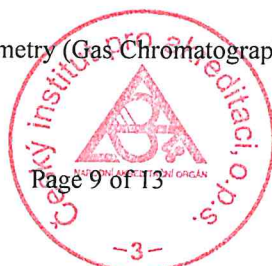
² if the document identifying the test procedure is dated, only these specific procedures are used. If the document identifying the test procedure is not dated, the latest edition of the specified procedure is used (including any changes)

³ List of analytes: Naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3,c,d)pyrene, dibenzo(a,h)anthracene and benzo(g,h,i)perylene

Explanations and abbreviations:

PAH - Polycyclic Aromatic Hydrocarbons

GC/MS - Gas Chromatography / Mass Spectrometry (Gas Chromatography / Mass Spectrometry)



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4. ZL Znojmo

Tests:

Ordinal Number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
001	Determination of particle size distribution of soils	ČSN EN ISO 17892-4, chap. 5.2, 5.3 STN EN ISO 17892-4, chap. 5.2, 5.3	Soils
002	Determination of the water content of a soil	ČSN EN ISO 17892-1 STN EN ISO 17892-1	Soils
003	Determination of soil compactibility – Proctor test	ČSN EN 13286-2, National Annex NB	Soils
004	Determination of Atteberg limits	ČSN EN ISO 17892-12 +A1, except cl. 4.3, 5.4 and 6.3 STN EN ISO 17892-12, except cl. 4.3, 5.4 and 6.3	Soils
005	Determination of California bearing ratio, immediate bearing index and linear swelling	ČSN EN 13286-47	Soils
006*	Determination of density with cutting ring	ČSN 72 1010, method A	Soils
007 *	Determination of density by diaphragm volumeter	ČSN 72 1010, method D-1	Soils
008	Unconfined compression test on fine-grained soils	ČSN EN ISO 17892-7	Soils
009	Determination of density of fine-grained soil	ČSN EN ISO 17892-2, chap. 4.1	Soils
010	Reserved		
011	Determination of apparent density of solid particles by pycnometer	ČSN EN ISO 17892-3	Soils
012	Determination of plastic limit of soils	ZP-32/05 (ČSN 721013:1968, Z1:2005)	Soils
013	Determination of liquid limit of soils	ZP-31/05 (ČSN 721014:1968, Z1:2005, method A, B)	Soils
014-100	Reserved		
101	Determination of the water content by drying in a ventilated oven	ČSN EN 1097-5	Aggregates
102	Determination of particle size distribution – Sieving analysis	ČSN EN 933-1 STN EN 933-1	Aggregates
103	Determination of particle shape - Shape index	ČSN EN 933-4 STN EN 933-4	Aggregates

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Ordinal Number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
104	Determination of laboratory reference density and water content – Proctor test	ČSN EN 13286-2, except cl. 7.3, 7.6	Unbound mixtures
105-110	Reserved		
111	Determination of loose bulk density and voids	ČSN EN 1097-3	Aggregates
112	Methylene blue test	ČSN EN 933-9 + A1	Aggregates
113	Determination of particle density and water absorption of aggregates	ČSN EN 1097-6	Aggregates
114	Determination of resistance of aggregates to freezing and thawing	ČSN EN 1367-1	Aggregates
115	Petrographic description of aggregates	ČSN EN 932-3, cl. 7	Aggregates
116	Determination of percentage of crushed and broken surfaces in coarse aggregate particles	ČSN EN 933-5	Aggregates
117	Determination of shell content in coarse aggregates	ČSN EN 933-7	Aggregates
118-200	Reserved		
201*	Measurement of temperature	ČSN EN 12697-13 STN EN 12697-13	Bituminous mixture
202	Determination of grain size	ČSN EN 12697-2+A1 ČSN EN 12697-28	Bituminous mixture
203	Determination of the maximum density	ČSN EN 12697-5: Corr.1	Bituminous mixture
204	Determination of bulk density of bituminous specimens	ČSN EN 12697-6 STN EN 12697-6 ČSN EN 12697-30	Bituminous mixture
205	Determination of the dimensions of bituminous specimens	ČSN EN 12697-29	Bituminous mixture
206	Determination of the air void content of bituminous mixture	ČSN EN 12697-8	Bituminous mixture
207	Determination of soluble binder content	ČSN EN 12697-1 ČSN EN 12697-28	Bituminous mixture
208	Shear test of connection of bituminous layers	ČSN 736160, chap. 7.3	Bituminous mixture
209	Marshall test of bituminous mixtures	ZP-38/08 (ČSN 73 6160:1988, chap. V. A, cl. 164-189) ČSN EN 12697-34 ČSN EN 12697-30	Bituminous mixture

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Ordinal Number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
210-300	Reserved		
301	Determination of needle penetration	ČSN EN 1426	Bitumen
302	Determination of softening point – Ring and ball method	ČSN EN 1427 ČSN EN 12697-3+A1	Bitumen
303-305	Reserved		
306	Determination of adhesion of bitumen to aggregate	ČSN 73 6161	Bitumen
307-400	Reserved		
401*	Static loading test of base courses	ČSN 72 1006, Annex A, B and D	Pavement courses
402 *	Impact loading test by LDD (light dynamic plate)	ČSN 73 6192, method C	Road
403*	Determination of the thickness of a bituminous pavement	ČSN EN 12697-36, except cl. 4.2 STN EN 12697-36, except cl. 4.2	Road
404*	Measurement of road cross and longitudinal unevenness by check bar	ČSN 73 6175, chap. 8	Road
405-500	Reserved		
501*	Determination of consistency – slump test	ČSN EN 12350-2 STN EN 12350-2	Fresh concrete
502*	Determination of air content in fresh concrete – pressure method	ČSN EN 12350-7 STN EN 12350-7	Fresh concrete
503*	Determination of fresh concrete density	ČSN EN 12350-6 STN EN 12350-6	Fresh concrete
504	Determination of density of hardened concrete	ČSN EN 12390-7: Corr. 1 STN EN 12390-7 ČSN EN 12390-2 STN EN 12390-2	Hardened concrete
505	Determination of moisture content, absorption power and capillarity of concrete	ZP-23/05 (ČSN 73 1316:1990)	Hardened concrete
506*	Determination of layer adhesion and tensile strength of surface layers	ČSN 73 6242 (Annex B) STN 73 6242 (Annex B)	Surface finish
507-509	Reserved		
510	Determination of compressive strength	ČSN EN 12390-3 STN EN 12390-3	Hardened concrete
511	Determination of depth of penetration of water under pressure	ČSN EN 12390-8 STN EN 12390-8	Hardened concrete

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Ordinal Number ¹	Test procedure / method name	Test procedure / method identification ²	Tested object
512	Determination of resistance to Chemical De-icing Agents	ČSN 73 1326 STN 73 1326	Hardened concrete

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Sampling:

Ordinal number	Sampling procedure name	Sampling procedure identification ¹	Sampled object
1	Aggregate sampling	ČSN EN 932-1 STN EN 932-1	Aggregates
2	Fresh concrete sampling	ČSN EN 12350-1 STN EN 12350-1	Concrete
3	Bituminous mixture sampling	ČSN EN 12697-27 STN EN 12697-27	Bituminous mixtures
4	Bituminous binder sampling	ČSN EN 58	Bitumen, bituminous binders
5	Cement sampling	ČSN EN 196-7	Cements

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

Annex:

Flexible scope of accreditation

Ordinal numbers of tests
001-021, 101-129, 201-220, 301-307 and 401-407

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 and abbreviations:

ZP – Testing Procedure of the Laboratory

TP – Specifications of the Ministry of Transport of the Czech Republic

CHRL – Chemical De-icing Agents

