

ACTUAL SCOPE OF ACCREDITATION  
2025-06-19

| Materials or products tested | Component, parameter or characteristic to be tested                              | Reference number of the document specifying test methods, clause (if relevant)                                                                  | Techniques, methods and/or equipment used (where appropriate)                                                                              |
|------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Bituminous mixtures          | Sampling                                                                         | LST EN 12697-27:2017                                                                                                                            | Methods of sampling of bituminous mixtures for roads and other paved areas in order to determine their physical properties and composition |
|                              | Preparation of samples for determining binder content, water content and grading | LST EN 12697-28:2020                                                                                                                            | Inspection, preparatory and heat treatment, sample reduction by quartering                                                                 |
|                              | Specimen preparation                                                             | LST EN 12697-30:2019                                                                                                                            | Impact compaction method                                                                                                                   |
|                              | Soluble binder content                                                           | LST EN 12697-1:2020, c. 5.5.2                                                                                                                   | Differential method                                                                                                                        |
|                              | Dimensions of a specimen                                                         | LST EN 12697-29:2020                                                                                                                            | Measurement using a caliper                                                                                                                |
|                              | Maximum density                                                                  | LST EN 12697-5:2019, c. 9.2                                                                                                                     | Volumetric method                                                                                                                          |
|                              | Void characteristics                                                             | LST EN 12697-8:2019                                                                                                                             | Calculation method                                                                                                                         |
|                              | Particle size distribution                                                       | LST EN 12697-2:2025                                                                                                                             | Sieving method                                                                                                                             |
|                              | Thickness of a pavement                                                          | LST EN 12697-36:2022, c. 6.1                                                                                                                    | Measurement using a caliper                                                                                                                |
|                              | Bulk density                                                                     | LST EN 12697-6:2020                                                                                                                             | Method for dry sample, saturated surface dry (SSD), for a paraffin-sealed sample, by dimensions                                            |
|                              | Indirect tensile strength                                                        | LST EN 12697-23:2018                                                                                                                            | Compression method                                                                                                                         |
|                              | Water sensitivity                                                                | LST EN 12697-12:2018, method A                                                                                                                  | Compression method for dry and immersed in water specimens                                                                                 |
|                              | Specimen preparation                                                             | LST EN 12697-33:2019+A1:2022, c. 5.3                                                                                                            | Roller compaction method                                                                                                                   |
|                              | Wheel tracking                                                                   | LST EN 12697-22:2020+A1:2024, c. 6.3, c. 7.1, c. 7.3.2, c. 7.5.1, c. 7.5.2.1, c. 7.6, c. 8.3.1, c. 8.3.2, c. 8.3.3, c. 8.3.5, model B, c. 9.3.2 | Small size device, procedure B in air                                                                                                      |
|                              | Affinity between aggregate and bitumen by rolling bottle method                  | LST EN 12697-11:2020, c. 5                                                                                                                      | Rolling bottle method                                                                                                                      |
|                              | Asphalt layer shear test                                                         | LST EN 12697-48:2022, c. 7 except c. 7.4                                                                                                        | Shear bond test                                                                                                                            |

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| Bitumen and bituminous binders | Penetration                                    | LST EN 1426:2024                                                                     | Needle method                                                                               |
|                                | Softening point                                | LST EN 1427:2015                                                                     | Ring and ball method                                                                        |
|                                | Preparation of samples                         | LST EN 12594:2024, except c. 7.4, c. 7.5                                             | Preparation of solid or semi-solid samples, samples of soft binders                         |
|                                | Characterization of perceptible properties     | LST EN 1425:2012                                                                     | Determination of the perceptible properties                                                 |
| Soils                          | Particle size distribution                     | LST 1360-1:2022                                                                      | Sieving method                                                                              |
|                                | Density in the field                           | LST 1360-6:2020, c. 7.2, (LST 1360-6:2020/P:2020)                                    | Ring method                                                                                 |
|                                | Sampling                                       | LST 1360-9:2022                                                                      | Sampling of natural and filled-up soil and mixtures thereof                                 |
|                                | Bearing capacity                               | LST 1360-5:2019, except c. 6.5.3                                                     | Determination the deformation modulus by static loading 300 mm plate test                   |
|                                | Dynamic deformation modulus                    | Instruction for test by dynamic device, 1995                                         | Loading test by dynamic device                                                              |
|                                | Water content                                  | LST EN ISO 17892-1:2015, except Annexes A, B and C (LST EN ISO 17892-1:2015/A1:2022) | Weighing and drying method                                                                  |
|                                | Water permeability                             | LST EN ISO 17892-11:2019, except c. 7.1                                              | Under constant pressure                                                                     |
|                                | Laboratory reference density and water content | LST 1360-2:2022, except c. 7.2.5                                                     | Proctor compaction                                                                          |
|                                | Particle density                               | LST EN ISO 17892-3:2016, c. 5.1, except c. 5.1.4.2                                   | Capillary pycnometer method                                                                 |
|                                | Compressive strength                           | BN GSR 12, 2012, c. VII                                                              | Loading to failure                                                                          |
|                                | Change in length                               | BN GSR 12, 2012, c. VIII                                                             | Resistance to freezing method                                                               |
|                                | Uniaxial compressive strength                  | BN GPR 12, 2012, c. VII except V section                                             | Loading to failure                                                                          |
| Aggregates                     | Sampling                                       | LST EN 932-1:2001, c. 8.8, c. 9                                                      | Sampling from stockpiles, reduction – using a riffle box, quartering, fractional shovelling |
|                                | Samples reducing                               | LST EN 932-2:2002                                                                    | Quartering, divider and fractional shovelling methods                                       |
|                                | Sampling                                       | LST 1971:2023                                                                        | Sampling from road structure                                                                |
|                                | Particle size distribution                     | LST EN 933-1:2012                                                                    | Sieving method                                                                              |
|                                | Flakiness index                                | LST EN 933-3:2012                                                                    | Sieving method                                                                              |
|                                | Shape index                                    | LST EN 933-4:2008                                                                    | Measurement using a caliper                                                                 |

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| Aggregates                               | Percentage of crushed particles in coarse and all-in natural aggregates | LST EN 933-5:2023                                      | Visual and weighing method                                          |
|                                          | Resistance to fragmentation                                             | LST EN 1097-2:2020, c. 5 and Annex A, except A.3       | Los Angeles method                                                  |
|                                          | Bulk density and voids content                                          | LST EN 1097-3:2002, except Annex A                     | Weighing and calculation method                                     |
|                                          | Water content                                                           | LST EN 1097-5:2008                                     | Weighing and drying method                                          |
|                                          | Particle density and water absorption                                   | LST EN 1097-6:2022, except Annexes D, E, F and H       | Pycnometer method                                                   |
|                                          | Resistance to atmospheric affects                                       | LST EN 1367-2:2010                                     | Magnesium sulfate method                                            |
|                                          | Resistance to freezing and thawing                                      | LST EN 1367-1:2007                                     | Soaking; exposure to frost; determination of the strength loss      |
|                                          | Railway ballast particle length                                         | LST EN 13450:2003 (LST EN 13450:2003/AC:2004), c. 6.7  | Measuring using a caliper                                           |
|                                          | Resistance to freezing and thawing of railway ballast                   | LST EN 13450:2003 (LST EN 13450:2003/AC:2004), Annex F | Soaking; exposure to frost; determination of the strength loss      |
|                                          | Resistance to magnesium sulfate of railway ballast                      | LST EN 13450:2003 (LST EN 13450:2003/AC:2004), Annex G | Magnesium sulfate method                                            |
| Unbound and hydraulically bound mixtures | Laboratory reference density and water content                          | LST EN 13286-2:2010 (LST EN 13286-2:2010/AC:2013)      | Proctor compaction                                                  |
|                                          | Bearing index and linear swelling                                       | LST EN 13286-47:2022                                   | California bearing ratio, immediate index, vertical swelling method |
|                                          | Compressive strength                                                    | LST EN 13286-41:2022                                   | Compression method                                                  |
| Road and airfield surface                | Slip/skid resistance of a surface                                       | LST EN 13036-4:2012                                    | Pendulum test                                                       |
|                                          | Irregularity of pavement courses                                        | LST EN 13036-7:2004 (LST EN 13036-7:2004/P:2009)       | Straightedge method                                                 |
| Road and airfield pavement structure     | Layer thickness                                                         | MN SSN 15, c. VII, 2015                                | Electromagnetic magnetic induction method                           |
|                                          | Layer thickness                                                         | MN SSN 15, c. VIII, 2015                               | Measuring a core using a caliper                                    |
|                                          | Layer thickness                                                         | MN SSN 15, c. X, 2015                                  | Measuring using a depth gauge                                       |

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| Road marking materials                                                | Skid resistance of horizontal road marking                                                                                       | LST EN 1436:2018, c. 4.5                                                         | Pendulum test                                                               |
|                                                                       | Road marking performance: luminance coefficient under diffuse illumination $Q_d$ ; coefficient of retroreflected luminance $R_L$ | LST EN 1436:2018, Annexes A and B                                                | Measurement of daytime and night-time visibility using a retroreflectometer |
|                                                                       | Vertical road sign retroreflection coefficient $R_A$                                                                             | LST EN 12899-1:2008<br>CIE 54.2:2001, c. 5.5                                     | Measurement of retroreflection using a retroreflectometer                   |
| Paints, varnishes, non-magnetic coatings on magnetic substrates, zinc | Film thickness                                                                                                                   | LST EN ISO 2808:2019, c. 5.5.6 and c. 5.5.7                                      | Magnetic-induction and eddy-current methods                                 |
|                                                                       | Coating thickness                                                                                                                | LST EN ISO 2178:2016, c. 4.3<br>LST EN ISO 1461:2022, c. 6.2                     | Magnetic-induction method                                                   |
| Concretes                                                             | Shape, dimensions and other requirements for specimens and moulds                                                                | LST EN 12390-1:2021                                                              | Compression method                                                          |
|                                                                       | Compressive strength of hardened concrete                                                                                        | LST EN 12390-3:2019, except Annex A                                              |                                                                             |
|                                                                       | Density of hardened concrete                                                                                                     | LST EN 12390-7:2019, except c. 6.4, c. 6.5, c. 6.7 (LST EN 12390-7:2019/AC:2021) | Calculation by measurement method                                           |

Defined and applicable for the whole accreditation scope following the 1st degree of flexibility: application of the updated documents of test and sampling methods already covered by accreditation or replacing them.

Head of laboratory

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