

ACTUAL SCOPE OF ACCREDITATION  
2024-09-23

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 12697-2:2015+A1:2019	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	

Bitumen and bituminous binders	Penetration	LST EN 1426:2015	Needle method
	Softening point	LST EN 1427:2015	Ring and ball method
	Preparation of samples	LST EN 12594:2015, c. 7.1, c. 7.2	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
Aggregates	Uniaxial compressive strength	BN GPR 12, 2012, c. VII except V section	Loading to failure
	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	

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

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 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 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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