

ACTUAL SCOPE OF ACCREDITATION

2024-03-25

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	from a lorry load of material; from a mixer transporter; around the augers of the paver; in heaps; from the laid but not rolled material using sampling trays; from the load but not rolled material from a cut trench; of laid and compacted materials by coring; from the slat conveyor of a continuous process plant; from material hopper/paver
	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 by impact compactor	LST EN 12697-30:2019	Impact compactor method
	Soluble binder content	LST EN 12697-1:2020, 5.5.2 p.	Differential method
	Dimensions of a bituminous specimen	LST EN 12697-29:2020	Measurement of rectangular/non rectangular cylindrical specimens with caliper gauge
	The maximum density	LST EN 12697-5:2019, 9.2 p.	Volumetric method
	Bituminous specimens void characteristics	LST EN 12697-8:2019	Calculation method
	Particle size distribution	LST EN 12697-2:2015+A1:2019	Sieving method
	Temperature measurement	LST EN 12697-13:2018	Measurement with thermometer
	Thickness of a bituminous pavement	LST EN 12697-36:2022, 6.1 p.	Core layer thickness measurement with caliper
	Bulk density of bituminous specimens	LST EN 12697-6:2020	Method for dry sample; saturated surface dry (SSD); for a paraffin-sealed sample; method by dimensions
	Laboratory mixing	LST EN 12697-35:2016, except annex A	Mixing using laboratory mixer
	Indirect tensile strength of bituminous specimens	LST EN 12697-23:2018	Indirect tensile method

Bituminous mixtures	Water sensitivity of bituminous specimens	LST EN 12697-12:2018, A method	Indirect tensile method
	Specimen prepared by roller compactor	LST EN 12697-33:2019+A1:2022, 5.3 p.	Roller compactor method
	Wheel tracking	LST EN 12697-22:2020+A1:2024, 6.3 p.; 7.1 p.; 7.3.2 p.; 7.5.1 p.; 7.5.2.1 p.; 7.6 p.; 8.3.1 p.; 8.3.2 p.; 8.3.3 p.; 8.3.5 p. B model; 9.3.2 p	Running the compacted plate on a wheel roller, small size device, procedure B in air
	Affinity between aggregate and bitumen by rolling bottle method	LST EN 12697-11:2020, 5 p.	Rolling bottle method
	Asphalt layer shear test	TP Asphalt – StB, teil 80, 2012	Direct shear test
	Asphalt layer adhesive tensile strength test	TP Asphalt – StB, teil 81, 2009	Compressive strength test
Bitumen and bituminous binders	Penetration	LST EN 1426:2015	Penetration needle method
	Softening point	LST EN 1427:2015	Ring and ball method
	Preparation of test samples	LST EN 12594:2015, 7.1 p., 7.2 p.	Solid or semi-solid samples; preparation of samples of soft binders for testing
	Characterization of perceptible properties	LST EN 1425:2012	Method for determining the visual properties of binders
Soils	Particle size distribution	LST 1360-1:2022	Sieving method
	Density	LST 1360-6:2020, 7.2 p., 7.3 p. (LST 1360-6:2020/P:2020)	Ring method; sand replacement method
	Sampling	LST 1360-9:2022	Of the reservoirs above water; from reservoirs of water flooded; from natural soils; from poured soils; from cohesive soil reservoirs
	Bearing capacity	LST 1360-5:2019	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
	Determination of water content	LST EN ISO 17892-1, except annexes A, B and C	Drying in a ventilated oven
	Water permeability	LST EN ISO 17892-11, except 7.1 p.	Under constant pressure
	Proctor test	LST 1360-2:2022, except 7.2.5 p.	Proctor test
	Uniaxial compressive strength	BN GSR 12, 2012, VII ch.	Loading to failure
	Resistance to freezing	BN GSR 12, 2012, VIII ch.	Soaking; exposure to frost; determination of height change
Uniaxial compressive strength	BN GPR 12, 2012, VII ch. except V section	Loading to failure	

Aggregates	Sampling	LST EN 932-1:2001, 8.8 p., 9 p.	Sampling from stockpiles; reduction – using a riffle box, quartering, fractional shovelling
	Laboratory samples reducing	LST EN 932-2:2002	Rotary sample divider; riffle box; fractional shovells; quartering; crushing to reduce the particle size; obtaining duplicate samples
	Sampling from road structure	LST 1971:2023	Manual mode
	Particle size distribution	LST EN 933-1:2012	Washing, sieving and weighing method
	Particle shape. Flakiness index	LST EN 933-3:2012	Sieving on analytical and bar sieves
	Particle shape. Shape index	LST EN 933-4:2008	Measurement by particle slide gauge
	Percentage of crushed and broken surfaces in coarse aggregate particles	LST EN 933-5:2023	Weighing method
	Resistance to wear by micro-Deval method	LST EN 1097-1:2011	Micro-Deval method
	Resistance to fragmentation by Los Angeles test method	LST EN 1097-2:2020, 5 p. and annex A	The Los Angeles method
	Bulk density and voids content	LST EN 1097-3:2002, except annex A	Weighing method; calculation method
	Water content by drying in a ventilated oven	LST EN 1097-5:2008	Drying in a ventilated oven
	Particle density and water absorption	LST EN 1097-6:2022, except annexes D, E, F and H	Pycnometer method
	Resistance to atmospheric affects by magnesium sulfate method	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
	Aggregates for railway ballast particle length	LST EN 13450:2003 (LST EN 13450:2003/AC:2004), 6.7 p.	Measuring with a caliper gauge
	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 of railway ballast to magnesium sulfate test	LST EN 13450:2003 (LST EN 13450:2003/AC:2004), annex G	Magnesium sulfate method

Unbound and hydraulically bound mixtures	Control density and water content by Proctor compaction	LST EN 13286-2:2010 (LST EN 13286-2:2010/AC:2013)	Proctor test
	California bearing ratio, immediate bearing index and linear swelling	LST EN 13286-47:2022	California bearing ratio, immediate index, vertical swelling method
	Compressive strength of hydraulically bound mixtures	LST EN 13286-41:2022	Compressive strength test
Road and airfield surface	Slip/skid resistance of a surface by pendulum test	LST EN 13036-4:2012	Pendulum test
	Irregularity of pavement courses by straightedge test	LST EN 13036-7:2004 (LST EN 13036-7:2004/P:2009)	Straightedge method
	Macrotexture depth of pavement surface by volumetric patch technique	LST EN 13036-1:2010	Volumetric patch method
Road and airfield pavement structure	Layer thickness measured by electromagnetic magnetic induction method	MN SSN 15, VII chapter, 2015	Electromagnetic magnetic induction method
	Layer thickness measured from drilled core	MN SSN 15, VIII chapter, 2015	Measuring a core with a caliper gauge
	Layer thickness, measured by depth-meter	MN SSN 15, X chapter, 2015	Measuring with a depth gauge
Road marking materials	Skid resistance by pendulum test	LST EN 1436:2018, 4.5 p.	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

Road element covering	Determination of dry film thickness	LST EN ISO 2808:2019, 5.5.6 and 5.5.7 p.	Magnetic-induction and eddy-current methods
	Vertical road sign retroreflection coefficient	LST EN 12899-1:2008,	Measurement of retroreflection using a retroreflectometer
		CIE 54.2:2001, 5.5 p.	
	Determination of dry film thickness	LST EN ISO 2178:2016, 4.3 p.	Magnetic-induction method
LST EN ISO 1461:2022, 6.2 p.			
Concretes	Shape and dimensions of samples	LST EN 12390-1:2021	Measuring with a caliper and ruler
	Compressive strength of test specimens	LST EN 12390-3:2019, except annex A	Loading to failure in a compression machine (maximum load 2000 kN)

Defined and applicable for the whole accreditation scope following degrees of flexibility:

- application of the updated documents of test methods already covered by accreditation or replacing them.

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