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SCOPE OF ACCREDITATION
(flexible)*

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause
Bituminous binders (paving grade, cut-back or fluxed, polymer modified bituminous binders, recovered from bituminous emulsion or bituminous mixtures, bituminous emulsions, hot applied joint sealants)	Sampling bituminous binders	LST EN 58, ch. 8.1
	Preparation test samples of bituminous binders	LST EN 12594
	Determination of needle penetration of bituminous binders	LST EN 1426
	Determination of the softening point - Ring and Ball method of bituminous binders	LST EN 1427
	Determination of the Fraass breaking point of bituminous binders	LST EN 12593
	Determination of ductility of bituminous binders	LST 1362.7
	Measurement of density and specific gravity of bituminous binders - capillary-stoppered pycnometer method	LST EN 15326
	Determination of binding of bitumen with mineral aggregates	LST 1362.23
	Determination of flash and fire points of bituminous binders - Cleveland open cup method	LST EN ISO 2592
	Determination of dynamic viscosity of bituminous binders by vacuum capillary (range (4,2-5200 Pa.s))	LST EN 12596
	Determination of kinematic viscosity of bituminous binders (range (72-20000) mm ² /s)	LST EN 12595
	Determination of the resistance of bituminous binders to hardening under the influence of heat and air - RTFOT method	LST EN 12607-1
	Determination of the adhesively of cut-back and fluxed bituminous binders coated onto aggregate when immersed in water	LST EN 15626, excluding ch. 8.2
Characterization of perceptible properties of bituminous binders	LST EN 1425	

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Bituminous binders (paving grade, cut-back or fluxed, polymer modified bituminous binders, recovered from bituminous emulsion or bituminous mixtures, bituminous emulsions, hot applied joint sealants)	Determination of water content in bituminous emulsions - Azeotropic distillation method	LST EN 1428
	Determination of residue on sieving of bituminous emulsions, and determination of storage stability by sieving	LST EN 1429
	Determination of efflux time by the efflux viscometer of bituminous emulsions	LST EN 12846-1
	Determination of efflux time by the efflux viscometer of cut-back and fluxed bituminous binders	LST EN 12846-2
	Determination of mixing stability with cement of bituminous emulsions	LST EN 12848
	Determination of adhesively of bituminous emulsions by water immersion test	LST EN 13614
	Recovery of binder from bituminous emulsion or cut-back or fluxed bituminous binders by evaporation	LST EN 13074-1
	Determination of the elastic recovery of modified bitumen	LST EN 13398
	Determination of storage stability of modified bitumen	LST EN 13399
	Determination of penetration power of bituminous emulsions	LST EN 12849
	Determination of cohesion of bituminous binders with pendulum test	LST EN 13588
	Determination of the tensile properties of modified bitumen by the force ductility method	LST EN 13589
	Bitumen recovery using a rotary evaporator	LST EN 12697-3
	Stabilisation after recovery by evaporation of bituminous binders	LST EN 13074-2
	Determination of breaking value of cationic bituminous emulsions, mineral filler method	LST EN 13075-1
	Determination of fines mixing time of cationic bituminous emulsions	LST EN 13075-2
Determination of solubility of bituminous binders	LST EN 12592	
Determination of binder aggregate adhesively by the Vialit plate shock test method	LST EN 12272-3, ch. 4	

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Bituminous binders (paving grade, cut-back or fluxed, polymer modified bituminous binders, recovered from bituminous emulsion or bituminous mixtures, bituminous emulsions, hot applied joint sealants)	Test method for the determination of cone penetration at 25°C of hot applied joint sealants	LST EN 13880-2
	Test method for the determination of penetration and recovery (resilience) of hot applied joint sealants	LST EN 13880-3
	Method for the preparation of samples for testing hot applied joint sealants	LST EN 13880-6
Bituminous mixtures and road surface (bituminous mixtures, slurry surfacing mixtures, road and airfield surface characteristics)	Binder drainage of bituminous mixtures. beaker method	LST EN 12697-18, ch. 5
	Bituminous mixtures. Wheel tracking	LST EN 12697-22, ch.8.3
	Determination of the indirect tensile strength of bituminous specimens	LST EN 12697-23
	Sampling bituminous mixtures	LST EN 12697-27
	Preparation of bituminous mixtures samples for determining binder content, water content and grading	LST EN 12697-28
	Determination of the dimensions of a bituminous specimen	LST EN 12697-29
	Specimens from bituminous mixtures preparation by impact compactor	LST EN 12697-30
	Specimens from bituminous mixtures preparation by roller compactor	LST EN 12697-33, ch.7.2
	Bituminous mixtures. Marshall test	LST EN 12697-34
	Bituminous mixtures. Laboratory mixing	LST EN 12697-35, excluding annexes A and B
	Determination of the thickness of a bituminous pavement	LST EN 12697-36, ch.4.1
	Determination of pavement thickness using electromagnetic method of magnetic induction	Methodical instructions for determination of thickness of layers of road pavement construction MN SSN 15, ch. VII
	Determination of the thickness of a pavement. Measurement of the core	Methodical instructions for determination of thickness of layers of road pavement construction MN SSN 15, ch. VIII
	Determination of the Soluble binder content of samples of bituminous mixtures by difference method	LST EN 12697-1, ch.5.4.2.1
	Determination of particle size distribution of the aggregates of bituminous mixtures	LST EN 12697-2
Determination of the maximum density of bituminous mixtures by volumetric procedure	LST EN 12697-5, ch.9.2	

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Bituminous mixtures and road surface (bituminous mixtures, slurry surfacing mixtures, road and airfield surface characteristics)	Determination of bulk density of bituminous specimens	LST EN 12697-6
	Determination of void characteristics of bituminous specimens	LST EN 12697-8
	Determination of the affinity between aggregate and bitumen	LST EN 12697-11, ch. 5
	Determination of the water sensitivity of bituminous specimens	LST EN 12697-12, method A
	Shear tests of bituminous mixture specimens	TP Asphalt-StB, teil 80
	Determination of residual binder content for samples of slurry mixes	LST EN 12274-2
	Determination of stability and flow – Marshall test of a slurry surfacing mix	LST 1501.2, ch.8
	Measurement of pavement surface macrotexture depth using a volumetric patch technique	LST EN 13036-1
	Method for measurement of slip/skid resistance of a pavement surface. The pendulum test	LST EN 13036-4
	Irregularity measurement of pavement courses. The straightedge test	LST EN 13036-7
	Soils, mineral materials and their mixtures (soils, mineral materials and aggregates, railway ballast, unbound and hydraulically (or with bituminous binders) bound mixtures, activated mineral filler)	Determination of particle size distribution of soils, sieving method
Determination of particle size distribution of soils, sedimentation method		LST 1360.1, ch. 5
Proctor test of soil		LST 1360-2
Determination of water content of soils by drying in oven		LST 1360.3, ch. 4
Determination of liquid and plastic limit of soils		LST 1360.4
Plate load test for road construction (plate diameter 300 mm)		LST 1360.5
Determination of mass of soil in laboratory		LST 1360.6, ch.7
Determination of volume of soil on site		LST 1360.6, ch. 10.2, 10.3
Determination density of solid particles of soil, capillary pycnometer method		LST 1360.7, ch. 3
Determination of permeability by constant and falling head		LST CEN ISO/TS 17892-11, ch. 6.2.2, 6.3.2
Soil sampling procedures		LST 1360.9

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Soils, mineral materials and their mixtures (soils, mineral materials and aggregates, railway ballast, unbound and hydraulically (or with bituminous binders) bound mixtures, activated mineral filler)	Determination of the dynamic deformation modulus for road construction	Instruction for the determination of the dynamic deformation modulus E_{vd} of road base and sub-base with the light-weight deflectometer
	Mineral aggregates sampling from road structure	LST 1971
	Methods for sampling of aggregates	LST EN 932-1, excluding ch. 8.9
	Methods for reducing laboratory samples of aggregates	LST EN 932-2, excluding ch. 7
	Simplified petrographic description of aggregates	LST EN 932-3
	Determination of particle size distribution of aggregates - sieving method	LST EN 933-1
	Flakiness index of aggregates	LST EN 933-3
	Shape index of aggregates	LST EN 933-4
	Determination of percentage of crushed and broken surfaces in coarse aggregate particles	LST EN 933-5
	Flow coefficient of aggregates	LST EN 933-6, ch. 8
	Sand equivalent test of fine aggregates	LST EN 933-8
	Methylene blue test of fine aggregates	LST EN 933-9
	Grading of filler aggregates, air jet sieving	LST EN 933-10
	Determination of the resistance to wear of aggregates. Micro-Deval test method	LST EN 1097-1
	Methods for the determination of resistance to fragmentation of aggregates. Los Angeles test method	LST EN 1097-2, ch. 5, annex A, ch. 5
	Methods for the determination of resistance to fragmentation of aggregates. Impact test method	LST EN 1097-2, ch. 6, annex A, ch. 6
	Determination of loose bulk density and voids of aggregates	LST EN 1097-3
	Determination of the voids of dry compacted filler	LST EN 1097-4
	Determination of the water content of aggregates by drying in a ventilated oven	LST EN 1097-5
	Determination of particle density and water absorption of aggregates	LST EN 1097-6
Determination of the particle density of filler. Pycnometer method	LST EN 1097-7	

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Soils, mineral materials and their mixtures (soils, mineral materials and aggregates, railway ballast, unbound and hydraulically (or with bituminous binders) bound mixtures, activated mineral filler)	Determination of the polished stone value of aggregates	LST EN 1097-8
	Determination of absolute density, dry bulk density, compactness and porosity of mineral aggregates	LST 1361.7
	Aggregates for railway ballast. Particle length of railway ballast	LST EN 13450, ch. 6.7
	Determination of resistance to freezing and thawing of aggregates and aggregates for railway ballast	LST EN 1367-1, LST EN 13450, annex F
	Tests for thermal and weathering properties of aggregates and aggregates for railway ballast - magnesium sulfate test	LST EN 1367-2, LST EN 13450, annex G
	Determination of resistance of aggregates to freezing and thawing in the presence of salt (NaCl)	LST EN 1367-6
	Determination of crushed stone impact resistance of mineral materials	LST 1361.10
	Strength estimation of aggregates in 150 mm cylinder mould	LST 1476.7, ch. 6
	Chemical analysis of aggregates: Determination of lightweight contaminators, Determination of potential presence of humus, Determination of water solubility	LST EN 1744-1, ch. 14.2, 15.1, 16
	Determination of water susceptibility of fillers for bituminous mixtures	LST EN 1744-4, excluding annex A
	Tests for filler aggregate used in bituminous mixtures. Delta ring and ball test	LST EN 13179-1
	Tests for filler aggregate used in bituminous mixtures. Bitumen number	LST EN 13179-2
	Determination of thickness of layers of unbound and hydraulically bound mixtures using depth gauge	Methodical instructions for determination of thickness of layers of road pavement construction MN SSN 15, ch. X
	Unbound and hydraulically bound mixtures. Test methods for laboratory reference density and water content. Sampling	LST EN 13286-1
	Unbound and hydraulically bound mixtures. Test methods for laboratory reference density and water content - Proctor compaction	LST EN 13286-2, excluding annex B

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Soils, mineral materials and their mixtures (soils, mineral materials and aggregates, railway ballast, unbound and hydraulically (or with bituminous binders) bound mixtures, activated mineral filler)	Test method for the determination of the compressive strength of hydraulically bound mixtures	LST EN 13286-41
	Test method for determination of the indirect tensile strength of hydraulically bound mixtures	LST EN 13286-42
	Unbound and hydraulically bound mixtures. Test method for the determination of California bearing ratio, immediate bearing index and linear swelling	LST EN 13286-47
	Method for the manufacture of test specimens of hydraulically bound mixtures using Proctor equipment or vibrating table compaction	LST EN 13286-50
	Determination of particle size distribution of activated mineral filler	LST 1419-2, ch. 4
Concrete, concrete and natural stone products (hardened concrete, fresh concrete, cement, products and systems for the protection and repair of concrete structures, concrete articles for tidging surroundings, concrete paving blocks, flags and kerb units, natural stone products)	Testing hardened concrete. Shape, dimensions and other requirements for specimens and moulds	LST EN 12390-1
	Making and curing specimens of hardened concrete for strength tests	LST EN 12390-2
	Compressive strength of test specimens of hardened concrete	LST EN 12390-3, excluding annex A.1, A.3-A.5
	Density of hardened concrete	LST EN 12390-7
	Depth of penetration of water under pressure in hardened concrete	LST EN 12390-8
	Cored specimens from hardened concrete - taking, examining and testing in compression	LST EN 12504-1
	Sampling fresh concrete	LST EN 12350-1
	Slump-test of fresh concrete	LST EN 12350-2
	Degree of compactability of fresh concrete	LST EN 12350-4
	Testing fresh concrete. Flow table test	LST EN 12350-5
	Density of fresh concrete	LST EN 12350-6
	Determination of temperature of fresh concrete	LST 1428.5
Air content of fresh concrete - pressure methods	LST EN 12350-7, ch. 5	

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Concrete, concrete and natural stone products (hardened concrete, fresh concrete, cement, products and systems for the protection and repair of concrete structures, concrete articles for tiding surroundings, concrete paving blocks, flags and kerb units, natural stone products)	Procedure for acceptance testing of a consignment at delivery of concrete paving blocks	LST EN 1338, annex B
	Measurement of the dimensions of a single concrete paving block	LST EN 1338, annex C
	Determination of freeze/thaw resistance of concrete paving blocks with de-icing salt	LST EN 1338, annex D
	Determination of total water absorption of concrete paving blocks	LST EN 1338, annex E
	Measurement of tensile splitting strength of concrete paving blocks	LST EN 1338, annex F
	Measurement of abrasion resistance of concrete paving blocks	LST EN 1338, annex G
	Method for the determination of unpolished slip resistance value (USRV) of concrete paving blocks	LST EN 1338, annex I
	Verification of visual aspects of concrete paving blocks	LST EN 1338, annex J
	Procedure for acceptance testing of a consignment at delivery of concrete paving flags	LST EN 1339, annex B
	Measurement of the dimensions of a single of concrete paving flag	LST EN 1339, annex C
	Determination of freeze/thaw resistance of concrete paving flags with de-icing salt	LST EN 1339, annex D
	Determination of total water absorption of concrete paving flags	LST EN 1339, annex E
	Measurement of bending strength and breaking load of concrete paving flags	LST EN 1339, annex F
	Measurement of abrasion resistance of concrete paving flags	LST EN 1339, annex G
	Method for the determination of unpolished slip resistance value (USRV) of concrete paving flags	LST EN 1339, annex I
	Verification of visual aspects of concrete paving flags	LST EN 1339, annex J
	Procedure for acceptance testing of a consignment at delivery of concrete kerb units	LST EN 1340, annex B
	Measurement of the dimensions of a single concrete kerb unit	LST EN 1340, annex C
	Determination of freeze/thaw resistance of concrete kerb units with de-icing salt	LST EN 1340, annex D

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Concrete, concrete and natural stone products (hardened concrete, fresh concrete, cement, products and systems for the protection and repair of concrete structures, concrete articles for tiding surroundings, concrete paving blocks, flags and kerb units, natural stone products)	Determination of total water absorption of concrete kerb units	LST EN 1340, annex E
	Measurement of bending strength of concrete kerb units	LST EN 1340, annex F
	Measurement of abrasion resistance of concrete kerb units	LST EN 1340, annex G
	Method for the determination of unpolished slip resistance value (USRV) of concrete kerb units	LST EN 1340, annex I
	Verification of visual aspects of concrete kerb units	LST EN 1340, annex J
	Determination of geometric characteristics on units of products of natural stone	LST EN 13373, ch. 5.2, 5.3, 5.6 ch. 5.4 (products till 500 mm), ch. 5.5.3 (products till 280 mm)
	Determination of frost resistance of natural stone	LST EN 12371, test A evaluation in terms of flexural or compressive strength
	Determination of uniaxial compressive strength of natural stone	LST EN 1926
	Determination of flexural strength of natural stone under concentrated load	LST EN 12372
	Determination of the abrasion resistance of natural stone	LST EN 14157, method A
Synthetic and polymeric materials for road construction (geosynthetics, geotextile, flexible sheets for waterproofing, plastics)	Determination of water absorption of natural stone at atmospheric pressure	LST EN 13755
	Sampling and preparation of test specimens of geosynthetics	LST EN ISO 9862
	Determination of thickness of geosynthetics at specified pressures	LST EN ISO 9863-1, except geospacers (GSP) and drainage geocomposites (GCO-D)
	Test method for the determination of mass per unit area of geosynthetics	LST EN ISO 9864
	Wide-width tensile test of geosynthetics	LST EN ISO 10319
	Tensile test for joints/seams of geosynthetics by wide-width strip method	LST EN ISO 10321
	Determination of water permeability characteristics of geotextile normal to the plane, without load	LST EN ISO 11058, excluding ch. 5
	Static puncture test (CBR test) of geosynthetics	LST EN ISO 12236
	Dynamic perforation test (cone drop test) of geosynthetics	LST EN ISO 13433
	Determination of tensile properties of flexible sheets for waterproofing	LST EN 12311-1

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Synthetic and polymeric materials for road construction (geosynthetics, geotextile, flexible sheets for waterproofing, plastics)	Determination of bond strength of flexible sheets for waterproofing	LST EN 13596
	Determination of tensile properties of plastics. General principles	LST EN ISO 527-1
	Determination of tensile properties of plastics. Test conditions for films and sheets	LST EN ISO 527-3
	Determination of thickness of plastics	ISO 4593
Road traffic safety elements (road marking materials, fixed, vertical road traffic signs, hot dip galvanized coatings on fabricated iron and steel articles, paints and varnishes)	Road trials (the luminance coefficient under diffuse illumination Q_d ; coefficient of retroreflected luminance R_L ; skid resistance)	LST EN 1824
	Road marking performance for road users: the luminance coefficient under diffuse illumination Q_d ; coefficient of retroreflected luminance R_L ; skid resistance	LST EN 1436, annexes: A, B
	Fixed, vertical road traffic signs. Measurement of coefficient of retroreflection R_A of vertical road traffic signs	LST EN 12899-1, CIE 54.2, ch. 5.5
	Determination of coating layer (hot dip galvanized coatings, paints, varnishes, films) thickness.	LST EN ISO 1461, ch.6.2, LST EN ISO 2808, 7B.2 non-destructive method, LST EN ISO 2178, ch. 4.3

*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;
- application of the test method already covered by accreditation to the new materials/ products.

Actual scope of accreditation is published on the website www.problematika.lt.

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