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JSC „TESTLITA“

SCOPE OF ACCREDITATION
(flexible)*

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause	Techniques, methods and/or equipment used
Vilnius laboratory (Jankiškių str. 39, Vilnius)			
Physical testing			
Fresh concrete	Sampling	LST EN 12350-1	Composite and spot sample taking
	Slump	LST EN 12350-2	Slump measurement using standard cone
	Temperature	LST 1428.5	Measurement using thermometer
	Air content	LST EN 12350-7	Pressure gauge method
	Fibre content	LST EN 14721+A1	B method: determination of fibres content in fresh concrete
Hardened concrete, concrete products and constructions	Compressive strength	LST EN 12390-3 except ch. A.3, A.4, A.5	Loading test specimens to failure. Maximum breaking load 3000 kN
	Density	LST EN 12390-7	Determination of mass and volume of sample
	Rebound number	LST EN 12504-2	Determination of rebound number using rebound hammer
	Flexural strength	LST EN 12390-5 LST EN 1339 Annex F LST EN 1340 Annex F	Bending test specimens to failure. Maximum breaking load 100 kN
Hardened concrete, concrete products and constructions	Tensile strength of paving blocks	LST EN 1338 Annex F	Compression-cleavage method
	Sampling Compressive strength	LST EN 12504-1	Sampling (drilling of cores), inspection of cores, preparation and loading test specimens to failure. Maximum breaking load 3000 kN
	Carbonation depth	LST EN 14630	Phenolphthalein method
	Fibre content	LST EN 14721+A1	A method: determination of the fiber content in hardened concrete

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause	Techniques, methods and/or equipment used
Hardened concrete, concrete products and constructions	Frost resistance	CEN/TS 12390-9 LST EN 1338 Annex D LST EN 1339 Annex D LST EN 1340 Annex D LST EN 1433 Annex C LST EN 13198 Annex B SS 13 72 44	Determination of mass loss per unit area after cyclic freezing and thawing
		LST 1428-17 LST EN 13198 Annex A	Change in mass and / or compressive strength and / or visual evaluation after cyclic freezing and thawing
	Pendulum Test Value (PTV)	LST EN 1338 Annex I LST EN 1339 Annex I LST EN 1340 Annex I CEN/TS 16165 LST CEN/TS 15676 LST EN 13036-4	Pendulum test
Masonry units	Compressive strength	LST EN 772-1+A1	Loading test specimens to failure. Maximum breaking load 3000 kN
	Net and gross dry density	LST EN 772-13	Determination of mass and volume of sample
	Dimensions	LST EN 772-16	Determination of dimensions and surface characteristics
Structural timber	Density	LST EN 408+A1 ch. 7 AS/NZS 4063.1 ch. 2.3	Determination mass and volume of samples
	Apparent modulus of elasticity Bending strength	AS/NZS 4063.1 ch. 2.4 LST EN 408+A1 ch. 9, 10, 19 ASTM D198-22 ch. 4	4-point bending test with strain measurements
	Beam shear strength	AS/NZS 4063.1 ch. 2.7	3-point bending test
	Tensile strength	AS/NZS 4063.1 ch. 2.5 LST EN 408 ch. 13 ASTM D198-22 ch. 29	Loading test specimens to failure. Maximum breaking load 300 kN
	Compressive strength	AS/NZS 4063.1 ch. 2.6 LST EN 408 ch. 15, 16	Loading test specimens to failure. Maximum breaking load 300 kN
	Determination of characteristic values	AS/NZS 4063.2 LST EN 384+A1	Evaluation of strength properties according to established criteria.
Protective and finishing products and their components	Non-volatile-matter content	LST EN ISO 3251	Gravimetric method
	Drying time	LST EN ISO 9117-3	Surface-drying test using ballotini
	Resistance to liquids	LST EN ISO 2812-1	Immersion in liquids other than water
		LST EN ISO 2812-2	Water immersion method

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause	Techniques, methods and/or equipment used
Protective and finishing products and their components	Bond strength (tensile adhesion strength, open time)	LST EN 1542 LST EN 13892-8 LST EN 1015-12 LST EN ISO 4624 LST EN 12004-2 ch. 8.1; 8.3 LST EN 14891 A.6	Determination of the maximum tensile stress caused by determination of perpendicular forces
	Mass of coating	LST EN 10346 Annex A LST EN ISO 1460	Gravimetric methods
	Coating thickness	LST EN ISO 2808 4A method	Mechanical method
		LST EN ISO 2808 7A method	Magnetic pull-off gauge method
	Evaluation of degradation of coatings	LST EN ISO 4628-1 LST EN ISO 4628-2 LST EN ISO 4628-3 LST EN ISO 4628-4 LST EN ISO 4628-5 LST EN ISO 4628-6	Visual assessment
	Hiding power	LST EN ISO 6504-3 method A	Spectrometric method
	Water permeability	LST EN 1062-3	Gravimetric method
	Transverse deformation of cementitious adhesives	LST EN 12004-2 ch. 8.6	3-point bending test and measurement of deformations
	Slip	LST EN 12004-2 ch. 8.2	Tile slip measurement with caliper
	Compression strength	LST EN 1015-11 LST EN 12190 ch. 7.2 LST EN 13892-2	Loading test specimens to failure. Maximum breaking load 200 kN
	Bending strength	LST EN 13892-2	Loading test specimens to failure. Maximum breaking load 10 kN
	Frost resistance	LST L 1413.11	Change in compressive strength after cyclic freezing and thawing
Mineral substances and their mixtures	Particle size distribution	LST EN 933-1	Washing and sieving or dry sieving method
	Flakiness index	LST EN 933-3	Sieving method
	MS value	LST EN 1367-2 LST EN 13450 Annex G	Magnesium sulfate test
	Resistance to wear (M_{DE}, $M_{DE}RB$)	LST EN 1097-1 LST EN 13450 Annex E	Micro-Deval method
	Resistance to fragmentation (LA, LA_{RB})	LST EN 1097-2 ch 5, A.5 LST EN 13450 Annex C	Los Angeles method

Materials or products tested	Component, parameter or characteristic to be tested	Reference number of the document specifying test methods, clause	Techniques, methods and/or equipment used
Mineral substances and their mixtures	Particle density and water absorption	LST EN 1097-6	Pycnometric method
	Taber Wear index	LST EN 13230-1 Annex A	Taber Abrasion Test
	Shape index	LST EN 933-4	Measurement with a special caliper
Retro - reflection and combined properties materials	Coefficient of specific retroreflection value R′; coefficient of luminous intensity R (CIL)	LST EN ISO 20471 ch. 7.3, 7.4.5 LST EN 12899-1 ch. 4.1.1.4 CIE 54.2 LST EN 17353 ch. 7.3; 7.4.2; 7.4.3; 7.4.4	Measurement using a ganiometer, dark room method
Physical-chemical testing			
Building materials (mineral, polymer, cement basd)	Moisture content	LST EN ISO 12570 AS/NZS 1080.1 ch. 4 LST EN 13183-1 LST EN 408 ch. 6 ASTM D4442-20 B meth.	Gravimetric methods
	Acid-soluble sulphate content	LST EN 1744-1+A1 ch. 12	Gravimetric method
	Water soluble chloride content	LST EN 1744-1+A1 ch. 7	Titrimetric methods
		LST EN 1015-17	
		LST EN 480-10	
	Water-soluble chromium (VI) content	LST EN 196-10	Spectrometric method
Solid waste	Polychlorinated biphenyl (PCB) content	LST EN 15308	Gas chromatography-mass spectrometry (GC-MS) method
	Polybrominated biphenyl (PBB) content	LST EN 62321-6	
Polymer products (paints, varnishes)	Volatile organic compound (VOC) content	LST EN ISO 11890-1	Difference method (Gravimetric method and titrimetric (Karl-Fisher) method)
		LST EN ISO 11890-2	Gas chromatography method
Various roll wall coverings	Formaldehyde	LST EN 12149	Spectrometric method
Paper and cardboard		LST EN 1541	
Plastics		LST EN ISO 4614	
Disposable electronic cigarettes and disposable capsules	Volume of liquid	SVP-01	Gravimetric method

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Šiauliai laboratory (J. Basanavičiaus str. 160D-2, Šiauliai)			
Physical testing			
Fresh concrete	Sampling	LST EN 12350-1	Composite and spot sample taking
	Slump	LST EN 12350-2	Slump measurement using standard cone
	Slump-flow	LST EN 12350-8	Slump-flow measurement using standard cone
	Air content	LST EN 12350-7	Pressure gauge method
	Temperature	LST 1428.5	Measurement using thermometer
Hardened concrete, concrete products and constructions	Compressive strength	LST EN 12390-3 except chapter A.3, A.4, A.5	Loading test specimens to failure. Maximum breaking load 3000 kN
	Density	LST EN 12390-7	Determination of mass and volume of sample
	Depth of penetration of water	LST EN 12390-8	Measurement of water penetration depth after exposure to water pressure
	Water impermeability	LST 1974 Annex O	Water pressure measurement from (0,2÷1,2) MPa
	Frost resistance	LST 1428-17 LST EN 13198 Annex A	Change in mass and / or compressive strength and / or visual evaluation after cyclic freezing and thawing
	Water absorption	LST EN 13369 Annex F	Weighing method after immersion and drying to constant weight
	Sampling Compressive strength	LST EN 12504-1	Sampling (drilling of cores), inspection of cores, preparation and loading test specimens to failure. Maximum breaking load 3000 kN
	Rebound number	LST EN 12504-2	Determination of rebound number using rebound hammer
Liquid applied water impermeable products (concrete protective products)	Water impermeability	LST EN 14891 ch. A.7	Weighing method for the change in mass after the water pressure test

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Concrete articles for tiding surroundings (Paving blocks, paving flags, kerb units)	Sampling	LST EN 1338 ch. 6.2.3, Annex B	Random selection
		LST EN 1339 ch. 6.2.3, Annex B	
		LST EN 1340 ch. 6.2.3, Annex B	
	Total water absorption	LST EN 1338 Annex E LST EN 1339 Annex E LST EN 1340 Annex E	Weighing method after immersion and drying to constant weight
	Water absorption (Porosity Vp)	LST EN 13230-1 Annex C	Weighing method after immersion and drying to constant weight
Reinforcing steel (reinforcing bars, rods, wire, welded products)	Sampling	LST EN 10080 ch. 8.1.2, 11	From test batch
	Tensile strenght Percentage total extension at maximum force	LST EN ISO 15630-1 ch. 5 except R_{eH} and $R_{p0,2}$, LST EN ISO 15630-2 ch. 5 except R_{eH} and $R_{p0,2}$	Tensile test up to 450 kN load
	Maximum tensile strength	LST EN ISO 17660-1 LST EN ISO 17660-2	Tensile test up to 450 kN load
	Deviation from nominal mass per meter	LST EN ISO 15630-1 ch. 12	Determination of the percentage deviation from the nominal mass per meter
	Evaluation of defects after bending	LST EN ISO 15630-2 LST EN ISO 15630-1 LST EN ISO 17660-1	Bending test using a clamp up to 160 mm diameter
	Shear force	LST EN ISO 15630-2 LST EN ISO 17660-1	Shear test up to 300 kN load

* 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;

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

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Note. In case of any discrepancies, ambiguities or disputes regarding the subject matter content between the English and Lithuanian versions of the document, the Lithuanian version shall prevail.