



Accredited to LST EN ISO/IEC 17025:2018

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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 (if relevant)	Techniques, methods and/or equipment used (where appropriate)
Hardened concrete, concrete products and precast reinforced concrete constructions	Compressive strength	LST EN 12390-3, except A.4 and A.5	Compression to failure
		LST EN 1168+A3 Annex J c. J.3	
		LST EN 12504-1, except c. 6	Review, sample preparation and compression to failure
		LST EN 13369 c. 5.1.1	Compression of specimens to failure
	Bending strength	LST EN 12390-5	Bending to failure
	Density	LST EN 12390-7	Determination of density by mass and volume of sample
	Frost resistance	LST 1428:17 by thawing in water	Determination of compressive strength and change in appearance of concrete specimens and concrete masonry products after the number of cycles of freezing and thawing in water
	Water absorption at atmospheric pressure	LST EN 13230-1 Annex C	At atmospheric pressure
	Water absorption	LST EN 13369 Annex F	
	Product strength, stiffness and resistance to cracking	LST CEN/TR 14862 Annex B	Initial type test under load before failure
	Product strength	LST EN 1168+A3 Annex J	Test of shear to failure
	Testing of reinforced concrete sleepers under load	LST EN 13230-2 c. 4	Test with static, dynamic or fatigue loads
LST EN 13230-4+A1 c. 5			
Product dimensions	LST EN 13369 c. 5.2 and Annex H	Measurement of dimensions and surface characteristics	
	LST EN 1168+A3 c. 5.3		
Natural stone products	Bending strength under concentrated load	LST EN 12372	Bending to failure
	Uniaxial compressive strength	LST EN 1926	Compression to failure
	Frost resistance	LST EN 12371, measured in terms of bending or compressive strength	Determination of compressive strength and change in appearance after the number of cycles of freezing and thawing in water
	Water absorption at atmospheric pressure	LST EN 13755	At atmospheric pressure



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Masonry products	Compressive strength	LST EN 772-1+A1	Compression to failure
	Percentage area of voids	LST EN 772-2, except c. 8.2.2 LST EN 772-2/A1	Determination of percentage area of voids by paper indentation
	Net volume and percentage of voids	LST EN 772-3	Determination of the net volume of a ceramic product by weighing, voids - according to the results of dimensional measurement and determination of the net volume
	Tensile strength in bending	LST EN 772-6	Bending of aggregate concrete products to failure
	Capillary action and the initial rate of water absorption	LST EN 772-11	Immerse one surface of the product into water
	Net and gross dry density	LST EN 772-13	According to the measured mass and volume
	Dimensions and parallelism of surfaces	LST EN 772-16	Measurement of dimensions and surface characteristics
	Frost resistance	LST EN 772-18 c. 7	Determination of compressive strength and change in appearance of silicate products after number of cycles of freezing and thawing in water
	Surface flatness	LST EN 772-20+A1	Surface flatness measurement
	Water absorption	LST EN 772-21	At atmospheric pressure
Reinforcing steel and reinforcing steel joints	Strength limit, Lower yield strength, Upper yield strength, Relative yield strength, Percentage elongation	LST EN ISO 15630-1 c. 5	Tensile test at room temperature, determination of mechanical properties, deformation measurement with extensometer
		LST EN ISO 17660-1 c. 14.2	
		LST EN ISO 17660-2 c. 14	
		LST EN ISO 15630-2 c. 5	
	Shear force	LST EN ISO 17660-1 c. 14.3	Shear test to failure
LST EN ISO 15630-2 c. 7.1			
Deviation from nominal mass per meter	LST EN ISO 15630-1 c. 12	Weighing	

*Defined and applicable for the whole accreditation scope following degree 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 <http://www.vgtu.lt>

Director

Jurgis Šarmavičius