



Accredited to LST EN ISO/IEC 17025:2018

**LABORATORY OF BUILDING PHYSICS
INSTITUTE OF ARCHITECTURE AND CONSTRUCTION
KAUNAS UNIVERSITY OF TECHNOLOGY**

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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	Techniques, methods and/or equipment used
Thermal insulating products for building applications	Steady-state thermal transmission properties	LST EN ISO 8990	Hot box method
	Thermal conductivity	LST EN 12667	Heat flow method
	Thermal resistance	LST EN 12939	
		LST EN 12664	
	Thermal resistance (reflective insulation products)	LST EN 16012+A1	Hot box method
	Length and width	LST EN 822 LST EN 12085	Determination of linear dimensions on a flat surface
	Thickness	LST EN 823 LST EN 12085	Determination of linear dimensions on a flat surface
	Squareness	LST EN 824	Determination of deviation from rectangle
	Apparent density	LST EN 1602	Calculation of mass to volume ratio
	Long term water absorption by immersion	LST EN ISO 16535	Determination of mass change by partial or total immersion
	Short term water absorption by partial immersion	LST EN ISO 29767 (except B method)	Determination of mass change by partial immersion and free draining
	Organic content (mineral wool only)	LST EN 13820 LST EN 13820/P	Determination of mass loss at high temperature
	tensile strength parallel to faces	LST EN 1608	Stretching method
	Tensile strength perpendicular to faces	LST EN 1607	Stretching method
	Compressive strength	LST EN 826	Compression method
	Bending strength	LST EN 12089	Bending 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
	Airflow resistance	LST EN ISO 9053-1	Static air flow method
Insulating glass units	Moisture Penetration Index	LST EN 1279-2 (except annex A)	Drying at 540° C
	Thermal transmittance	LST EN 675	Hot box method
Windows	Mechanical strength: resistance to vertical load, resistance to static rotation, operating forces	LST EN 14608 LST EN 14609 LST EN 12046-1 LST EN 13115	Static load method
	Load-bearing capacity of safety devices: resistance to static rotation	LST EN 14609 LST EN 14351-1+A2 (4.8 clause)	Static load method
	Resistance to repeated opening and closing	LST EN 1191 (only according Annex A Turn-only windows) LST EN 12400 LST EN 12046-1 LST EN 13115 LST EN 14600	Calculation of opening - closing, cycles. Determination of linear dimensions.
Doors	Mechanical strength: resistance to vertical load, resistance to static rotation, resistance to soft and hard body impact, resistance to hard body impact, operating forces	LST EN 947 LST EN 948 LST EN 949 LST EN 950 LST EN 1192 LST EN 12046-2 LST EN 12217	Static and dynamic loading method
	Load-bearing capacity of safety devices: resistance to static rotation	LST EN 948 LST EN 14351-1+A2 (clause 4.8)	Static load method
	Resistance to repeated opening and closing	LST EN 1191 (only in accordance with Annex H for swing doors) LST EN 12400 LST EN 12046-2 LST EN 12217 LST EN 14600	Calculation of opening - closing, cycles. Determination of linear dimensions.
Windows and Doors	Thermal transmittance	LST EN ISO 12567-1 LST EN ISO 12567-1/AC LST EN ISO 8990	Hot box method
	Thermal transmittance	LST EN ISO 10077-1 LST EN ISO 10077-2 (except clause 6.4.2)	Calculation method (except the radiosity method)
	Burglar resistance	LST EN 1627 (clause 3.3) LST EN 1628+A1 LST EN 1629+A1 LST EN 1630+A1	Static and dynamic load methods, Manual hacking
	Air permeability	LST EN 1026 LST EN 12207	Differential pressure method
	Water tightness	LST EN 1027 LST EN 12208	Differential pressure 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
	Resistance to wind load	LST EN 12211 LST EN 12210	Differential pressure method
	Acoustic performance	LST EN ISO 10140-1 LST EN ISO 10140-2 LST EN ISO 10140-4 LST EN ISO 10140-5 LST EN ISO 10140-5/A1 LST EN ISO 717-1	Sound pressure level method
Buildings and parts	The difference in sound levels Normalized sound level difference Standardized difference in sound levels Apparent sound reduction coefficient	LST EN ISO 16283-1 LST EN ISO 16283-1/A1 LST EN ISO 16283-2 LST EN ISO 717-1	Sound pressure level measurements
	Impact sound pressure level Normalized impact sound pressure level Standardized impact sound pressure level	LST EN ISO 16283-2 LST EN ISO 717-2	Sound pressure level measurements
	Airborne sound insulation of facade and facade elements	LST EN ISO 16283-3 LST EN ISO 717-1	Sound pressure level measurements
	Duration of reverberation in normal rooms	LST EN ISO 3382-2 (except clauses 5.3; 6.2; 6.3; 6.4) LST EN ISO 3382-2/AC	Noise reduction curve method
	Thermal irregularities (thermography)	LST EN 13187	Infrared method
	Air permeability of buildings	LST EN ISO 9972	Fan pressurization method

FLEXIBLE* - one degree of flexibility is established and applied for the whole accreditation scope: application of the updated documents of test methods, already covered by accreditation, or the identical documents superseding them.

Actual scope of accreditation is published on the website <https://asi.ktu.edu>.

Director:



Jurgis Šarmavičius

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