



**Accredited to LST EN ISO/IEC 17025:2018**

**BUILDING PHYSICS LABORATORY  
 INSTITUTE OF ARCHITECTURE AND CONSTRUCTION OF  
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**SCOPE OF ACCREDITATION**

**FLEXIBLE \***

<b>Materials or products tested</b>	<b>Component, parameter or characteristic to be tested</b>	<b>Reference number of the document specifying test methods, clause</b>	<b>Techniques, methods and/or equipment used</b>
<b>1. Thermal insulating products for building applications</b>	Steady-state thermal transmission properties	LST EN ISO 8990	Hot box method
	Thermal conductivity Thermal resistance	LST EN 12667 LST EN 12939 LST EN 12664	Heat flow method
	Thermal resistance (reflective insulation products)	LST EN 16012	Hot box method
	Thermal resistance and thermal transmittance	LST EN ISO 6946	Calculation method (simplified)
	Length and width	LST EN ISO 29465 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 LST EN ISO 29470	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	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	

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		(except A method)	
	Bending strength	LST EN 12089	Bending method
	Airflow resistance	LST EN ISO 9053-1	Static air flow method
<b>2. Windows</b>	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 (4.8 clause)	Static load method
	Resistance to repeated opening and closing	LST EN 1191 (only in according Annex A Turn-only windows) LST EN 12400 LST EN 12046-1 LST EN 13115	Calculation of opening - closing, cycles. Determination of linear dimensions.
<b>3. Doors</b>	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 (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	Calculation of opening - closing, cycles. Determination of linear dimensions.
<b>4. Windows and Doors</b>	Thermal transmittance	LST EN ISO 12567-1 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 LST EN 1629 LST EN 1630	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
	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	Sound pressure level method

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		LST EN ISO 10140-5 LST EN ISO 717-1	
<b>5. Buildings and parts</b>	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 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)	Noise reduction curve method
	Thermal irregularities (thermography)	LST EN 13187	Infrared method
	Air permeability of buildings	LST EN ISO 9972	Fan pressurization method
	Air permeability of buildings	LST EN 12114	Fan pressurization method
	Tabular design values and declared and design thermal values	LST EN ISO 10456	Calculation method
<b>6. Paints, varnishes, primers</b>			
6.1 Paints, varnishes and primers	Non-volatile-matter content	LST EN ISO 3251	Gravimetric method
	Drying time	LST EN ISO 9117-3	Surface-drying test using ballotini
	Loss in film thickness	LST EN ISO 11998 LST EN 13300	Wet-scrub resistance Classification
	Hiding power	LST EN ISO 6504-3 (method A) LST EN 13300	Spectrometric method Classification
	Resistance to liquids	LST EN ISO 2812-1 (method A) LST EN ISO 2812-2	Immersion in liquids other than water Water immersion method
	The effect of heat	LST EN ISO 3248	Visual method
	Adhesion	LST EN ISO 2409	Cross-cut test
	Film thickness	LST EN ISO 2808 (methods 4A and 7B.2) LST EN ISO 2178	By difference in thickness Magnetic-induction principle

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	Evaluation of degradation of coatings General introduction and designation system	LST EN ISO 4628-1	Visual method
	Degree of blistering	LST EN ISO 4628-2	Adhesive tape method
	Degree of rusting	LST EN ISO 4628-3	
	Degree of cracking	LST EN ISO 4628-4	
	Degree of flaking	LST EN ISO 4628-5	
	Degree of chalking	LST EN ISO 4628-6 (except 5.2)	
	Degree of chalking	LST EN ISO 4628-7	
	Adhesion	LST EN ISO 4624	Pull-off test method
	Density	LST EN ISO 2811-1 (except 6.1.2)	Pycnometer method
6.2 Polymer concrete floor composites	Non-volatile-matter content	LST EN ISO 3251	Gravimetric method
	Resistance to abrasion	LST EN ISO 7784-2	Method with abrasive rubber wheels and rotating test specimen
	Resistance to liquids	LST EN ISO 2812-1 (method A) LST EN ISO 2812-2	Immersion in liquids other than water Water immersion method
<b>7. Sealants and adhesives</b>			
7.1 Sealing mastic	Non-volatile-matter content	LST EN ISO 3251	Gravimetric method
	Drying time	LST EN ISO 9117-3	Surface-drying test using ballotini
7.2 Polymer dispersions, adhesives	Non-volatile-matter content	LST EN ISO 3251 LST EN 827	Gravimetric method
<b>8. Roof sheets and products</b>			
8.1 Bitumen sheets	Tensile force	LST EN 12311-1	Tensile test
	Elongation	LST EN 12311-1	Tensile test
	Resistance to tearing	LST EN 12310-1	Nail shank
8.2 Metal corrugated and flat sheets, metal tiles	Film thickness	LST EN ISO 2808 (methods 4A and 7B.2) LST EN 13523-1	By difference in thickness Magnetic-induction principle
	Mass of coating	LST EN ISO 1460	Gravimetric method
	Adhesion	LST EN ISO 2409	Cross-cut test
	The effect of heat	LST EN ISO 3248	Visual method
	Hardness	LST EN 13523-4	Pencil hardness
	Corrosion tests	LST EN ISO 9227 (except 5.2.3, 5.2.4)	Salt spray
	Evaluation of degradation of coatings General introduction and designation system	LST EN ISO 4628-1	Visual method
Degree of blistering	LST EN ISO 4628-2		

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	Degree of rusting	LST EN ISO 4628-3	Adhesive tape method
	Degree of cracking	LST EN ISO 4628-4	
	Degree of flaking	LST EN ISO 4628-5	
	Degree of chalking	LST EN ISO 4628-6 (except 5.2)	
	Degree of chalking	LST EN ISO 4628-7	Velvet method
8.3 Flexible sheets for waterproofing	Maximum tensile strength	LST EN 12311-2	Tensile test
	Elongation	LST EN 12311-2	Tensile test
	Resistance to tearing	LST EN 12310-2	Tensile test
	Thickness and mass per unit area	LST EN 1849-2	Determination of linear dimensions on a flat surface gravimetric method
<b>9. Parquet, parquet boards, floor boards</b>	Moisture content	LST EN 13183-1	Gravimetric method
<b>10. Construction mortars</b>	Tensile bond strength	LST EN 1542	Pull-off test method
<b>11. Impact attenuating surface</b>	Critical fall height	LST EN 1177	Drop test 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 accreditation scope is available to interested parties on the website at <https://asi.ktu.edu>.

Director

Dalia Baležentė

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.