



**Accredited to ISO/IEC 17025:2005**

**LABORATORY OF BUILDING PHYSICS  
INSTITUTE OF ARCHITECTURE AND CONSTRUCTION  
KAUNAS UNIVERSITY OF TECHNOLOGY  
THE SCOPE OF ACCREDITATION  
FLEXIBLE\***

| <b>Name of the testing object</b>                               | <b>Name of test or parameters (characteristics) to be tested</b> | <b>Reference number of the document specifying test methods</b>                                                                       |
|-----------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>1. Thermal insulating products for building applications</b> | Steady-state thermal transmission properties                     | LST EN ISO 8990                                                                                                                       |
|                                                                 | Thermal conductivity<br>Thermal resistance                       | LST EN 12667<br>LST EN 12939<br>LST EN 12664                                                                                          |
|                                                                 | Thermal resistance                                               | LST EN 16012 (reflective insulation products)                                                                                         |
|                                                                 | Length and width                                                 | LST EN 822<br>LST EN 12085                                                                                                            |
|                                                                 | Thickness                                                        | LST EN 823<br>LST EN 12085                                                                                                            |
|                                                                 | Squareness                                                       | LST EN 824                                                                                                                            |
|                                                                 | Apparent density                                                 | LST EN 1602                                                                                                                           |
|                                                                 | Long term water absorption by immersion                          | LST EN 12087                                                                                                                          |
|                                                                 | Short term water absorption by partial immersion                 | LST EN 1609                                                                                                                           |
|                                                                 | Organic content                                                  | LST EN 13820 (mineral wool)                                                                                                           |
|                                                                 | Tensile strength parallel to faces                               | LST EN 1608                                                                                                                           |
|                                                                 | Tensile strength perpendicular to faces                          | LST EN 1607                                                                                                                           |
|                                                                 | Compressive strength                                             | LST EN 826                                                                                                                            |
|                                                                 | Bending strength                                                 | LST EN 12089                                                                                                                          |
|                                                                 | Airflow resistance                                               | LST EN 29053                                                                                                                          |
| <b>2. Windows and doors</b>                                     | Determination of thermal transmittance by the hot-box method     | LST EN ISO 12567-1<br>LST EN ISO 8990                                                                                                 |
|                                                                 | Calculation of thermal transmittance                             | LST EN ISO 10077-1<br>LST EN ISO 10077-2 (except clause 6.4.2)                                                                        |
|                                                                 | Mechanical strength                                              | LST EN 14608<br>LST EN 14609<br>LST EN 12046-1<br>LST EN 947<br>LST EN 948<br>LST EN 949<br>LST EN 950<br>LST EN 13115<br>LST EN 1192 |
|                                                                 | Load-bearing capacity of safety devices                          | LST EN 14609<br>LST EN 948<br>LST EN 14351-1 (clause 4.8)<br>LST L prEN 14351-2 (clause 4.18.2)                                       |

| Name of the testing object       | Name of test or parameters (characteristics) to be tested                 | Reference number of the document specifying test methods                                                                                                                                                  |
|----------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                  | Resistance to repeated opening and closing                                | LST EN 1191 (according Annex A Turn-only windows and Annex H single side-hung doors)<br>LST EN 12046-1<br>LST EN 12046-2<br>LST EN 12217<br>LST EN 1634-1 (clause 10.1.2)<br>LST EN 12400<br>LST EN 14600 |
|                                  | Burglar resistance                                                        | LST EN 1627 (clause 3.3)<br>LST EN 1628<br>LST EN 1629<br>LST EN 1630                                                                                                                                     |
|                                  | Air permeability                                                          | LST EN 1026<br>LST EN 12207                                                                                                                                                                               |
|                                  | Water tightness                                                           | LST EN 1027<br>LST EN 12208                                                                                                                                                                               |
|                                  | Resistance to wind load                                                   | LST EN 12211<br>LST EN 12210                                                                                                                                                                              |
|                                  | Acoustic performance                                                      | LST EN ISO 10140-1<br>LST EN ISO 10140-2<br>LST EN ISO 10140-4<br>LST EN ISO 10140-5<br>LST EN ISO 717-1<br>LST EN ISO 12999-1                                                                            |
| <b>3. Insulating glass units</b> | Long term test method for moisture penetration                            | LST EN 1279-2 (except method A)                                                                                                                                                                           |
|                                  | Thermal transmittance                                                     | LST EN 675                                                                                                                                                                                                |
| <b>4. Building elements</b>      | Airborne sound insulation                                                 | LST EN ISO 16283-1<br>LST EN ISO 717-1                                                                                                                                                                    |
|                                  | Impact sound insulation                                                   | LST EN ISO 16283-2<br>LST EN ISO 717-2                                                                                                                                                                    |
|                                  | Airborne sound insulation of facade and facade elements                   | LST EN ISO 16283-3<br>LST EN ISO 717-1                                                                                                                                                                    |
|                                  | Qualitative detection of thermal irregularities. Infrared method          | LST EN 13187                                                                                                                                                                                              |
| <b>5. Rooms</b>                  | Reverberation time in ordinary rooms                                      | LST EN ISO 3382-2<br>(except clauses 5.3; 6.2; 6.3; 6.4)                                                                                                                                                  |
|                                  | Determination of air permeability of buildings. Fan pressurization method | LST EN ISO 9972                                                                                                                                                                                           |

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 on the internet site at <https://asi.ktu.edu>.

Director



Jurgis Šarmavičius



Annex No. 2 to the Accreditation Certificate  
No. LA.01.031 issued on 07/11/2016,  
approved on 08/02/2019 by the Order No. AK-28 of  
Director of Lithuanian National Accreditation Bureau  
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Notified Body No. 2018**

**THE SCOPE OF ACCREDITATION**

| <b>Regulation,<br/>legislation upon<br/>which the<br/>adoption of EU<br/>Directive is based</b> | <b>Name of product<br/>(group of<br/>products)</b> | <b>Procedures, modules,<br/>annexes, schemes and<br/>etc. for evaluation of<br/>conformity</b> | <b>Relevant harmonized<br/>standards, were<br/>applicable</b>                                                                                                          |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Regulation (EU)<br>No. 305/2011 of<br>the European<br>Parliament and of<br>the Council          | Windows and doors                                  | System 3                                                                                       | LST EN 14351-1:2006<br>+A2:2016<br>Windows and doors -<br>Product standard,<br>performance<br>characteristics - Part 1:<br>Windows and external<br>pedestrian doorsets |

Director  

Jurgis Šarmavičius