

ACCREDITATION CERTIFICATE

No. LA.01.004

Lithuanian National Accreditation Bureau hereby certifies that

complies with the requirements of

Vilnius Gediminas Technical University
Faculty of Civil Engineering Institute of Building Materials
Laboratory of Thermal Insulating Materials and Acoustics

LST EN ISO/IEC 17025:2018

legal entity: Vilniaus Gedimino technikos universitetas
legal entity code: 111950243

and is competent to perform:

testing of thermal insulation and construction products (Table 1 of the scope of accreditation);

testing of thermal insulation and construction products according to requirements of Regulation (EU) No. 305/2011 of the European Parliament and of the Council (Table 2 of the scope of accreditation)

The scope of accreditation below is an integral part of this certificate. Locations of the conformity assessment body are specified in the scope of accreditation

Initial accreditation date: **1996-06-03**

Certificate issued / valid since: **2025-06-01**

Version of: **2025-05-29**

Expiry date: **2030-05-31**

Director



DALIA BALEŽENTĖ

The certificate may be changed, its validity suspended or withdrawn by the decision of the National Accreditation Bureau. Information on the actual data of accreditation certificates may be verified at nab.lrv.lt



Vilnius Gediminas Technical University Faculty of Civil Engineering Institute of Building Materials Laboratory of Thermal Insulating Materials and Acoustics, accredited in accordance with LST EN ISO/IEC 17025:2018

Location of the conformity assessment body

Linkmenų str. 28, LT-08217 Vilnius, Lithuania

Table 1

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)
Thermal insulation products for buildings and industrial equipment	Apparent density	LST EN ISO 29470	Mass to volume ratio method
	Thermal conductivity at mean temperature of (-15...+70)°C	LST EN 12667	Heat flow and guarded hot plate methods
		LST EN 12939	
		ISO 8301	
		ISO 8302	
		LST EN 15101-1:2013 5.3.2 sec., Annexes A1, A3, H	
	Organic content	LST EN 13820	Determination of mass loss under heating at high temperature
	Length and width	LST EN ISO 29465 LST EN ISO 29768	Determination of linear dimensions on a flat surface
	Thickness	LST EN ISO 29466 LST EN ISO 29768	Determination of linear dimensions
	Squareness	LST EN 824	Determination of deviation from squareness
	Flatness	LST EN ISO 29468	Determination of deviation from flatness
	Dimensional stability under constant normal laboratory conditions	LST EN 1603	Determination of dimensional deviation under temperature and humidity conditions
	Dimensional stability under specified temperature and humidity conditions	LST EN 1604	Determination of dimensional deviation under temperature and humidity conditions

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)
	Deformation under specified compressive load and temperature conditions	LST EN 1605	Determination of dimensional deviation under temperature and loading conditions
	Moisture content	LST EN ISO 12570	Change in mass per unit mass or volume after drying at elevated temperature
	Short-term water absorption by partial immersion	LST EN ISO 29767 LST EN 15101-1, Annex D	Determination of the change in mass by partial immersion and free-flow of water
	Water vapour transmission	LST EN 12086	Determination of change in mass with a change in temperature and relative humidity
	Long-term water absorption by diffusion	LST EN ISO 16536	Determination of the change in mass with respect to water vapor pressure and temperature
	Long-term water absorption by immersion	LST EN ISO 16535	Determination of the change in mass by partial or full immersion
	Compressive creep	LST EN ISO 16534	Determination of the change in thickness under long-term compressive load
	Tensile strength perpendicular to faces	LST EN 1607	Tensile principle
	Tensile strength parallel to faces	LST EN ISO 29766	Tensile principle
	Compressive stress/strength	LST EN ISO 29469	Compression principle
	Bending strength	LST EN 12089	Bending principle
	Shear strength	LST EN 12090	Shear principle
	Behaviour under point load	LST EN 12430	Point load principle
	Thickness of floating floor insulation layer	LST EN ISO 29770	Determination of thickness under different compressive loads
	Settlement of loose fill cellulose under cyclic humidity	LST EN 15101-1, Annex B1	Determination of height change after cyclic humidity
	Settlement of loose fill cellulose under vibration	LST EN 15101-1, Annex B2	Determination of height change after vibration
	Settlement of loose fill cellulose under impact excitation	LST EN 15101-1, Annex B3	Determination of height change after vibration and increased temperature and humidity
	Freeze-thaw resistance	LST EN ISO 16546	Determination of the change in water absorption and compressive strength after freezing and thawing cycles
	Dry density of masonry units	LST EN 772-13, sec. 7.2.2.	Mass to volume ratio method
	Dimensions of masonry units	LST EN 772-16	Determination of linear dimensions
	Calculation of thermal resistance and equivalent thermal conductivity	LST EN 1745, sections 4.2, 4.3, 5.2, and 6; Annex E	Calculation methods



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)
Masonry products made of lightweight aggregates concrete, porous concrete, clay, calcium silicate, calcium hydrosilicate and others dry and moist masonry products of medium and low thermal resistance	Calculation of thermal resistance and equivalent thermal conductivity	LST EN ISO 6946	Calculation methods
	Thermal conductivity at mean temperature of (-15...+70)°C	LST EN 12664	Heat flow and guarded hot plate methods

* One degree of flexibility is defined and applicable to the entire Table 1 of the scope of accreditation:
Flexibility case 1 – application of the updated documents of test methods already covered by accreditation or superseding them or application of equivalent documents..

Actual accreditation scope is published on the website at <https://vilniustech.lt/statybos-fakultetas/padaliniai/statybiniu-medziagu-institutas/51712#tab-termoizoliaciniu-medziagu-ir-akustikos-laboratorija>

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Table 2

Decision	Product family, product /Intended use	AVCP system**	Technical specification)
European Commission Decision No 99/91/EC	Thermal insulation products: Thermal insulating products (factory- made products and products intended to be formed in-situ)	System 3	LST EN 13162:2012+A1:2015 LST EN 13163:2012+A1:2015 LST EN 13164:2012+A1:2015 LST EN 13165:2012+A2:2016 LST EN 13166:2012+A2:2016 LST EN 13167:2012+A1:2015 LST EN 13168:2012+A1:2015 LST EN 13169:2012+A1:2015 LST EN 13170:2012+A1:2015 LST EN 13171:2012+A1:2015 LST EN 14315-1:2013

** System for evaluating and checking the constancy of operational properties

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.

The accreditation certificate is signed with a qualified electronic signature as an attachment to the order of the Director of the National Accreditation Bureau, by which it was approved