

**VILNIUS TECH FACULTY OF CIVIL ENGINEERING
INSTITUTE OF BUILDING MATERIALS
LABORATORY OF THERMAL INSULATING MATERIALS AND ACOUSTICS
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)
1. 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	
Deformation under specified compressive load and temperature conditions	LST EN 1605	Determination of dimensional deviation under temperature and loading 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)
continuation 1. Thermal insulation products for buildings and industrial equipment	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

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)
continuation 1. Thermal insulation products for buildings and industrial equipment	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
2. 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	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
	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

There is determined and applied first case of flexibility for all scope of accreditation:
Application of the up-dated versions of normative documents defining the test methods or identical documents superseding them.

Updated by:

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