CONFIRMED BY:
Head of laboratory
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10th of September, 2024

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 (replaces LST EN 1602:2013	Mass to volume ratio method
	Thermal conductivity at mean temperature of (-15...+70)°C	LST EN 12667:2002	Heat flow and guarded hot plate methods
		LST EN 12939:2002	
		ISO 8301:1991	
		ISO 8302:1991	
		LST EN 15101-1:2013 with an amendment LST EN 15101-1:2013+A1:2019, 5.3.2 sec., Annexes A1, A3, H	
	Organic content	LST EN 13820:2004 with an appendix LST EN 13820:2004 /P:2006	Determination of mass loss under heating at high temperature
	Length and width	LST EN ISO 29465:2022 (replaces LST EN 822:2013) LST EN ISO 29768:2022 (replaces LST EN 12085:2013)	Determination of linear dimensions on a flat surface
	Thickness	LST EN ISO 29466:2023 (replaces LST EN 823:2013) LST EN ISO 29768:2022 (replaces LST EN 12085:2013)	Determination of linear dimensions
	Squareness	LST EN 824:2013	Determination of deviation from squareness
	Flatness	LST EN ISO 29468:2022 (replaces LST EN 825:2013)	Determination of deviation from flatness

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	Dimensional stability under constant normal laboratory conditions	LST EN 1603:2013	Determination of dimensional deviation under temperature and humidity conditions
	Dimensional stability under specified temperature and humidity conditions	LST EN 1604:2013	Determination of dimensional deviation under temperature and humidity conditions
	Deformation under specified compressive load and temperature conditions	LST EN 1605:2013	Determination of dimensional deviation under temperature and loading conditions
	Moisture content	LST EN ISO 12570:2000 with an amendment LST EN ISO 12570:2000/A2:2018	Change in mass per unit mass or volume after drying at elevated temperature
	Short-term water absorption by partial immersion	LST EN ISO 29767:2019 (replaces LST EN 1609:2013) LST EN 15101-1:2013 with an amendment LST EN 15101-1:2013 +A1:2019, Annex D	Determination of the change in mass by partial immersion and free-flow of water
	Water vapour transmission	LST EN 12086:2013	Determination of change in mass with a change in temperature and relative humidity
	Long-term water absorption by diffusion	LST EN ISO 16536:2019 (replaces LST EN 12088:2013)	Determination of the change in mass with respect to water vapor pressure and temperature
	Long-term water absorption by immersion	LST EN ISO 16535:2019 (replaces LST EN 12087:2013)	Determination of the change in mass by partial or full immersion
	Compressive creep	LST EN ISO 16534 (replaces LST EN 1606:2013)	Determination of the change in thickness under long-term compressive load
	Tensile strength perpendicular to faces	LST EN 1607:2013	Tensile principle
	Tensile strength parallel to faces	LST EN ISO 29766:2023 (replaces LST EN 1608:2013)	Tensile principle
	Compressive stress/strength	LST EN ISO 29469:2023 (replaces LST EN 826:2013)	Compression principle
	Bending strength	LST EN 12089:2013	Bending principle

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	Shear strength	LST EN 12090:2013	Shear principle
	Behaviour under point load	LST EN 12430:2013	Point load principle
	Thickness of floating floor insulation layer	LST EN ISO 29770:2022 (replaces LST EN 12431:2013)	Determination of thickness under different compressive loads
	Settlement of loose fill cellulose under cyclic humidity	LST EN 1605:2013	Determination of height change after cyclic humidity
	Settlement of loose fill cellulose under vibration	LST EN 15101-1:2013 with an amendment LST EN 15101-1:2013 +A1:2019, Annex B1	Determination of height change after vibration
	Settlement of loose fill cellulose under impact excitation	LST EN 15101-1:2013 with an amendment LST EN 15101-1:213+A1:2019, Annex B2	Determination of height change after vibration and increased temperature and humidity
	Freeze-thaw resistance	LST EN 15101-1:2013 with an amendment LST EN 15101-1:2013+A1:2019, Annex B3	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 ISO 16546 (replaces LST EN 12091:2013)	Mass to volume ratio method
	Dimensions of masonry units	LST EN 772-13:2003, sec. 7.2.2.	Determination of linear dimensions
	Calculation of thermal resistance and equivalent thermal conductivity using experimental and tabulated initial values	LST EN 772-16:2011	Calculation methods
	Thermal conductivity at mean temperature of (-15...+70)°C	LST EN 1745:2020, sections 4.2 , 4.3, 5.2, and 6; Annex E	Calculation methods Heat flow and guarded hot plate methods
	Thermal conductivity at mean temperature of (-15...+70)°C	LST EN ISO 6946:2017	Calculation methods 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:

quality manager Jurga Šeputytė-Jucikė
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