

DECLARATION OF PERFORMANCE
002EV2014/05/12

1. Unique identification of the product-type:

Ekovillalevy

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4):

Ekovillalevy wood fibre insulation slab 565 mm x 870 mm
Thicknesses 45 mm, 50 mm, 75 mm, 100 mm, 125 mm, 150 mm
Density 32 – 42 kg/m³

3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer:

Thermal insulation slab for buildings.
Used in ceilings, walls, partitions, floors and intermediate floors.

4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant Article 11(5):

Ekovilla Oy/Ekovillalevy,
Katajajarjuntie 10, 45720 Kuusankoski, +358 5 750 7500, www.ekovilla.com, info@ekovilla.com

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

AVCP 3

6. In case of the declaration of performance concerning a construction product covered by a harmonized standard:

Notified body VTT Expert Services Oy (0809) performed the initial type testing in accordance with the AVCP system 3 and issued the test reports.

7. Declared performance

Essential characteristics	Performance		Harmonized technical specification
Reaction to fire Euroclass	4.2.6 Reaction to fire	E	SFS-EN 13171:2012 2013-03-04
Release of dangerous substances to the indoor environment	4.3.15 Release of dangerous substances	Test methods are under development	
Acoustic absorption index	4.3.12 Sound absorption	NPD	
Impact noise transmission index (for floors)	4.3.10 Dynamic stiffness	NPD	
	4.3.11.1 Thickness, d_L	NPD	
	4.3.11.3 Compressibility	NPD	
	4.3.13 Air flow resistivity	NPD	
Direct airborne sound insulation index	4.3.13 Air flow resistivity	NPD	
Continuous Glowing combustion	4.3.17 Continuous Glowing combustion	Test methods are under development	
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity		
	Thermal conductivity, W/(m K)	$\lambda_{\text{DECLARED (23, 50) 0,039}}$	
	4.2.3 Thickness		
	Thickness class / tolerance	T3	
	Thickness, mm	Thermal resistance R, m ² K/W	
	45	1,15	
	50	1,25	
	75	1,90	
	100	2,55	
Water permeability	4.3.8 Water absorption	NPD	
Water vapour permeability	4.3.9 Water vapour transmission	NPD	
Compressive strength	4.3.3 Compressive stress or compressive strength	NPD	
	4.3.6 Point load	NPD	
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics	Does not deteriorate with time	
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	Does not change with time	
	4.3.2 Dimensional stability	NPD	
	4.3.2.2 Dimensional stability at specified temperature	NPD	
	4.3.2.2 Dimensional stability under specified temperature and humidity conditions	NPD	
	4.2.7 Durability characteristics	Does not deteriorate with time	

Essential characteristics	Performance		Harmonized technical specification
Tensile/Flexural strength	4.3.5 Tensile strength parallel to faces	NPD	SFS-EN 13171:2012 2013-03-04
	4.3.4 Tensile strength perpendicular to faces	NPD	
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	NPD	

8. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 7.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:



Kuusankoski 12.05.2014

Mika Ervasti, Managing Director