

DECLARATION OF PERFORMANCE

001EV2021/02/09

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 565 mm x 870 mm

Thicknesses 45 mm, 50 mm, 75 mm, 100 mm, 125 mm, 150 mm, 200 mm

Density 32 – 42 kg/m³

3. Intended use:

Thermal and sound insulation in buildings

4. Manufacturer:

**Ekovilla Oy, Katajajarjuntie 10, 45720 Kuusankoski,
+358 5 750 7500, info@ekovilla.com, www.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. Harmonized product standard:

EN 13171:2012

7. Notified Body:

VTT Expert Services Oy (nro 0809)

8. Declared performance

Essential characteristics	Performance		Harmonized technical specification
Reaction to fire Euroclass	Reaction to fire	E	SFS-EN 13171:2012
Direct airborne sound	Air flow resistivity (kPa s/m ²)	AFr9	
Thermal resistance	Thermal conductivity	W/(m K)	
	$\lambda_{DECLARED}$ (23, 50)	0,039	
	λ_u (suunnitteluarvo)	0,039	
	Paksuustoleranssi	T2	
	Thickness $d_{N,mm}$	Thermal resistance R, m ² K/W	
	45	1,15	
	50	1,25	
	75	1,90	
100	2,55		
125	3,20		
150	3,80		
200	5,10		
Durability of reaction to fire against heat, weathering, ageing/degradation	Durability characteristics	Does not change	
Acoustic absorption index	Sound absorption	NPD	
Durability of thermal resistance against heat, weathering, ageing/degradation	Thermal resistance and thermal conductivity	Does not change	
	Durability characteristics	Does not change	
	Dimensional stability	DS(23,90)3	
Compressive strength	Compressive stress	NPD	
	Point load	NPD	
Tensile/Flexural strength	Tensile strength perpendicular to faces	NPD	
	Tensile strength parallel to faces	NPD	
Durability of compressive strength against ageing/ degradation	Compressive creep	NPD	
Water permeability	Short term water absorption	NPD	
Water vapour permeability	Water vapour transmission	NPD	
Impact noise transmission index (for floors)	Dynamic stiffness	NPD	
	Thickness	NPD	
	Compressibility	NPD	
	Air flow resistivity	AFr9	
Release of dangerous substances to the indoor	Release of dangerous substances	Test methods are under development	
Continuous glowing combustion	Continuous glowing combustion	Test methods are under development	
NPD = No Performance Determined			

Signed for and on behalf of the manufacturer by:

Kuusankoski 10.11.2021



Lauri Törrö, COO