



## DECLARATION OF PERFORMANCE 001EV2022/06/08

1. Unique identification of the product-type:

**EKOVILLA**

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

**EKOVILLA loose fill cellulose insulation**

3. Intended use:

**Thermal and sound insulation**

4. Manufacturer:

**Ekovilla Oy, Katajajarjuntie 10, 45720 Kuusankoski,  
+358 5 750 7500, [info@ekovilla.com](mailto:info@ekovilla.com), [www.ekovilla.com](http://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:

**Fire performance: AVCP 1  
Others: AVCP 3**

6. Technical assesment body (TAB):

**Austrian Institute of Construction Engineering (OIB)**

7. European Assesment Document

**EAD 040138-01-1201**

8. European Technical Assessment:

**ETA-09/0081**

9. Notfied body:

**Eurofins Expert Services Oy (0809)**



| Essential characteristic                   | Ekovilla                                 |                                 |                    |                    | Harmonized technical specification: |
|--|--|---------------------------------|--------------------|--------------------|-------------------------------------|
| Area of application / application method   | open blown spaces                        | horizontal and pitched cavities | vertical cavities  | sprayed with glue  | EAD 040138-01-1201                  |
| Density [kg/m <sup>3</sup> ]               | 26 - 36                                  | 40 - 55                         | 55 - 65            | 33 - 50            |                                     |
| Fire performance                           | B-s2, d0                                 |                                 |                    | D-s2, d0           |                                     |
| Biological resistance                      | 0 (no mould growth)                      |                                 |                    |                    |                                     |
| Sound absorption                           | a <sub>w</sub> = 1,00                    |                                 |                    | NPD                |                                     |
| Thermal conductivity λD(23,50)             | 0,038 W/mK<br>Fm2 = 1,02 (23,50 – 23,80) |                                 |                    |                    |                                     |
| Water vapour diffusion resistance          | μ = 1,3                                  |                                 |                    |                    |                                     |
| Water absorption                           | NPD                                      |                                 |                    |                    |                                     |
| Corrosion                                  | NPD                                      |                                 |                    |                    |                                     |
| Settlement                                 | s <sub>v</sub> = 10 %                    | s <sub>d</sub> = 0 %            |                    |                    |                                     |
| Critical moisture content                  | NPD                                      |                                 |                    |                    |                                     |
| Airflow resistance [kPa s/m <sup>2</sup> ] | AF <sub>r</sub> 8                        | AF <sub>r</sub> 44              | AF <sub>r</sub> 44 | AF <sub>r</sub> 10 |                                     |

Signed for and on behalf of the manufacturer by:

Kuusankoski 8.6.2022,



Lauri Törrö, COO