
 Sustainable Grass Insulation	DECLARATION OF PERFORMANCE GRAMITHERM DENSITY INSULATION 40KG/M3 According to Annex III of EU Regulation N°305/2011	
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Report number:

DOP GR/S/01

1. Unique identification code of the typical product:

Grass fibre insulation material according to ETA
No. ETA-21/0260

2. European technical reference

EAD 040005-00-1201 (Thermal and/or acoustic insulation products manufactured from vegetable or animal fibres)

3. Identification of the product in accordance with in Article 11, § 4:

Information on the label
of the product (references, dimensions, date)

4. Intended use of the product, in accordance with the applicable harmonized technical specification:

Gramitherm insulation product is used for thermal and acoustic performance of walls, partitions, attics and roofs

5. Name and address of the manufacturer, pursuant to section 11, § 5:

Gramitherm Europe SA
Boulevard of Europe, 87
5060 Sambreville/ Auvelais BELGIUM

6. Name and contact address of the agent:

Not applicable

7. System for evaluation and verification of consistency in product performance, as per Annex V:

System 3

8. Declaration of performance for the product covered by a harmonized standard:

Not applicable

9. Declaration of performance of the product for which a European Technical Approval (ETA) has issued by:



Deutsches Institut für Bautechnik (DIBT)
Kolonnenstrasse 30B
D- 10 829 Berlin Deutschland

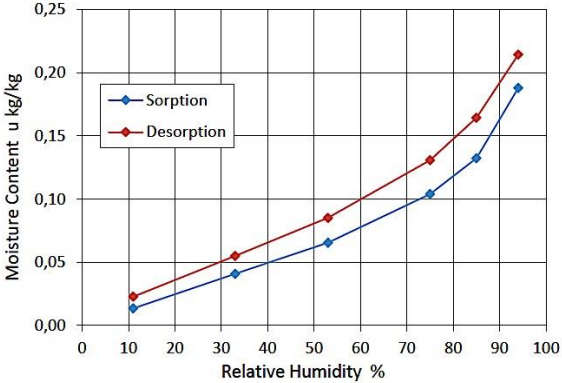


- Reference:
- Date:

- **ETA-21/0260**
- 17/05/2021

10. Reported performance:

Essential characteristics	Method	Performance	Harmonised technical specifications
Density	EN 1602	$\bar{\rho}$ = 40 kg/m ³ (+/-5kg/m ³)	ETA N° 21/0260
Water absorption	EN 1609	Wp=4.6 kg/m ² Panel in. 100mm thickness	
Declared thermal conductivity	EN 12 667:2001	$\lambda_{d(23,50)}$ calculated = 0.0405 W/m.K $\lambda_{d(23,50)}$ official= 0.0410 W/m.K	
Dry thermal conductivity at 10°C		$\lambda_{10.dry,90/90}$ = 0.0386W/m*K	
Water vapour diffusion coefficient	EN ISO 12 572	μ = 1 à 4	
Reaction to fire	NF EN 13501-1:2018	Euroclass E	
Dimensional stability	EN1604 EN 13171	Length: +/-2% Thickness: T2	
Tensile strength	EN 1608: 2013	>20kPa	
The test and evaluation methods on which this ETA is based lead to a useful life of			

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thermal insulation panels of at least 50 years.			
Water vapour diffusion coefficient	NF EN 12086: 2013	$\mu = 2$	CODEM test report: RE0423FB-001
Resistance to mould	According to specification 3713-V3	Resistant to fungal contamination (at 28°C and 85% RH)	CSTB test report: N° SC-2023-17173
Resistance to insects	Annex D CUAP article 9.2	No insect development after 6 weeks	Laboratory test report T.E.C. : N° 2596/0920
Mass heat		2232 J/Kg.K	
Determination of VOC emission content	EN ISO 16000-9	A+	CSTC Test Report: DE-CH-0271 CH-20-191-02
Label Product Bio-based sector Wallonia	Material balance method: EN 16785-2:2018	88% biobased mass (sourcing < 300km radius producer location)	Certificate: N°BE/14/03/20/88-BE-FW
Hygroscopic absorption property:	EN ISO 12571:2013 (ECOLABOR : N°ECO-P21007-20021)	<p>Hygroscopic property at 23°C</p> 	
Short-term water absorption by partial immersion:	NF EN ISO 29767	3.5 kg/m²	CODEM test report: RE0423FB-002
Long-term water absorption by total immersion:	NF EN ISO 16535	15,5%	CODEM test report: RE0423FB-003
Ability to develop corrosion or not:	NF EN 15101-1:2013 Annex E	No perforation	CSTB test report: DEB 23 26020
Environmental performance:		FDES available on the basis of INIES/AFNOR and on our website www.gramitherm.eu .	
		B-EPD available on the TOTEM database and on our website www.gramitherm.eu .	

Signed for and on behalf of the manufacturer by:


 Christian Roggeman / Role in One SAS
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