



HEMPFLAX®
Building Solutions GmbH

Nature wins!

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Declaration of Performance

THERMO HANF COMBI JUTE
130701-041-02

Unique identification code of the product-type:
Intended use/es:
Manufacturer:
System/s of AVCP:
European Technical Assessment:
Technical Assessment Body:

THERMO HANF COMBI JUTE
Thermal insulation for buildings
HempFlax Building Solutions GmbH – Industriestraße 2 – 86720 Nördlingen (DE)
System 3
ETA 05/0037 on the basis of EAD 04005-00-1201
Deutsches Institut für Bautechnik

Essential characteristics		Performance	
Thermal resistance	Thermal resistance R_D ((m ² .K)/W)	d_N 30mm	0.65
		d_N 40mm	0.90
		d_N 50mm	1.15
		d_N 60mm	1.35
		d_N 80mm	1.85
		d_N 100mm	2.30
		d_N 120mm	2.75
		d_N 140mm	3.25
		d_N 160mm	3.70
		d_N 180mm	4.15
	d_N 200mm	4.65	
	d_N 220mm	5.10	
	Thermal conductivity λ_D (W/(m.K))	d_N 30-220mm	0.043
Dimensional deviations	Length and width	Length	± 2 %
		Width	± 1,5 %
	Thickness	-4 mm / +10 mm or + 10 % ¹ Relates to class T3 acc. to EN 13171:2012	
Mass-related moisture conversion coefficient	dry to 23 °C/50 % r.h.	f_{u1}	0,11
Mass-related moisture conversion coefficient	23 °C/50 % r.h. to 23 °C/80 % r.h.	f_{u2}	0,05
moisture conversion factor	dry to 23 °C/ 50 % r.h.	F_{m1}	1,01
moisture conversion factor	23 °C/ 50 % r.h. to 23 °C/ 80 % r.h.	F_{m2}	1,01
Reaction to fire		E	
Dimensional stability		NPD	
Tensile strength parallel to faces		≥ 30 kPa	
Resistance to the growth of mould		Level 0	
Water vapour diffusion resistance coefficient		MU1-2	
Squareness		$S_b \leq 5$ mm/m	
Flatness		$S_{max} \leq 6$ mm	
Density		39 – 45 kg/m ³	
NPD: No Performance Determined			

¹ Whichever gives the smallest numerical tolerance

The performance of the product identified above is in conformity with the set of declared performances. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Terry Mc Givern,
Managing Director Continental Europe

Nördlingen, Germany, 12.09.2024