

# HERAFOAM

Herafoam is a wood wool panel combined with a rigid foam insulation board that has a tongue and groove connection that supports very easy installation. This panel is very well suited for concrete ceilings and walls in renovation and new development projects that require high thermal performance and limited thickness.

## STANDARD VERSION

Herafoam is produced with PEFC certified wood and a fibre width of 2 mm as standard. The panels are delivered unpainted as a standard in the natural, warm tones of wood. Our panels are factory finished with lapjoints and beveled all round. The insulation has a tongue and groove connection.



## PERFORMANCE

 **Fire classification**  
B-s1, d0  
★★★★★

 **Sound absorption**  
 $\alpha_w$  0.30  
☆☆☆☆

 **Thermal resistance**  
 $R_D$  max. 7.10 (170 mm)  
★★★★★

## ADVANTAGES

- ✓ Lightweight wood wool panel
- ✓ Very high thermal insulation values with low panel thickness
- ✓ 2 point mounting in combination with tongue and groove ensures an easy and flat mounting process
- ✓ Moisture and mould resistant
- ✓ Aesthetic finish and insulation with one panel

## SPECIFICATIES

Thickness (mm)	Composition mm [HW/PIR]	$R_D$ (m <sup>2</sup> .K/W)	U value (indication)* (m <sup>2</sup> .K/W)	Weight (kg/m <sup>2</sup> )	Length (mm)	Width (mm)	Panels/pallet	Pallet (m <sup>2</sup> )
50	10/40	1.55	0.58	7.3	985	590	44	25.57
80	10/70	2.90	0.35	8.6	985	590	26	15.11
105	10/95	4.10	0.26	9.4	985	590	22	12.79
130	10/120	5.25	0.20	10.1	985	590	16	9.30
150	10/140	6.20	0.18	10.7	985	590	14	8.14
170	10/160	7.10	0.15	11.3	985	590	12	6.97

- \* • Calculated according to EPBD  
• Construction: 50 mm screed, 250 mm concrete  
• 2 DDS plus concrete screws per panel

### Options

Fibre width	10 mm
Colour	White (RAL 9003) or RAL

## CERTIFICATIONS



Always process our Heraklith wood wool panels according to our processing instructions. These can be found on [heraklith.co.uk/downloads](http://heraklith.co.uk/downloads)



[www.heraklith.co.uk](http://www.heraklith.co.uk)

Wood Wool Combi Panel in accordance with EN 13168:2012+A1  
WW-C/2 PU-EN13168-L2-W1-S1-T1-P1-CS(10/Y)150-CI1

## TECHNICAL INFORMATION

Properties	Symbol	Description					Unit	Norm
Fire classification	-	B-s1,d0 *					-	EN 13501-1
Heat conductivity coefficient	$\lambda$	Wood wool: 0,090 / PIR: 0,0275 - 0,0215					[W/mK]	EN 12667
Compressive strength	CS	$\geq 150$					[kPa]	EN 826
Chloride levels	Cl	Cl1					-	EN 13168
Tolerances	-	Thickness	Length (L2)	Width (W1)	Squareness (S1)	Flatness (P1)	[mm]	EN 13168
		[D $\leq$ 100] +3/-2	+3/-5	$\pm 3$	$\leq 4$	$\leq 6$		
Finishing insulation		Tongue and groove						
Finishing wood wool		Bevelled all round						
DoP-code		4010_HERAFOAM ( <a href="http://www.heraklith.co.uk">www.heraklith.co.uk</a> )						

\* Mounted directly to concrete

## SOUND ABSORPTION COEFFICIENT\*

Panel type	F(Hz)	125	250	500	1000	2000	4000	$\alpha_w$	NRC	SAA	Report number
Herafoam (2mm), 50mm	$\alpha_s$ (1/1 octave)	0.03	0.08	0.22	0.29	0.39	0.75	<b>0.30</b>	0.25	0.24	A 3598-3E-RA001
Herafoam (2mm), 100mm	$\alpha_s$ (1/1 octave)	0.04	0.11	0.28	0.20	0.40	0.77	<b>0.30</b>	0.25	0.25	A 3598-3E-RA001
Herafoam (2mm), 150mm	$\alpha_s$ (1/1 octave)	0.07	0.19	0.28	0.23	0.43	0.80	<b>0.30</b>	0.30	0.28	A 3598-3E-RA001

Sound absorption tests have been executed in accordance with the norm ISO 11654/ ASTM-C423

\* Mounted directly to concrete

### UNPAINTED

Wood is a natural product and comes in endless shades of colour, from light to quite dark. The same applies to wood wool. Colour variations can therefore occur in unpainted wood wool panels. If you want to avoid these variations, we advise choosing a sprayed finish in a natural shade to create a uniform paint layer. This will preserve the natural character of the product without colour variations. As well as a natural shade, you can also order wood wool panels in any RAL/NCS colour.

## Do you want more information? Please contact us

### Knauf Insulation B.V.

Dakota 7  
5126 RL Gilze

Tel: + 31 (0)162 - 42 12 45  
e-mail: [woodwool.export@knaufinsulation.com](mailto:woodwool.export@knaufinsulation.com)

[www.heraklith.co.uk](http://www.heraklith.co.uk)

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