

## Heraklith® | Herafoam



Heraklith® | Herafoam is a wood wool cement panel combined with a rigid foam insulation board. The newest panel in the Heraklith collection is excellently suited for use on walls and ceilings in renovation and new development projects that require high thermal performance and limited thickness. An  $R_D$  value up to 7,05 can be achieved with the standard collection. Higher  $R_D$  values are available upon request.

### Product Performance



Fire classification  
B-s1, d0



Sound absorption  
 $\alpha_w \geq 0.25$  (50 mm)



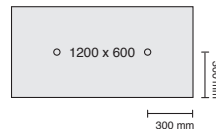
Thermal resistance  
 $R_D = 7.05$  (170 mm)

### Advantages

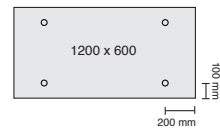
- Very high thermal insulation values with low panel thickness
- 2 point mounting ensures quick installation and tightly aligned patterns
- Optimal retention of thermal resistance by alternating lapjoints combined with 2 point mounting
- Lightweight wood wool panel
- Moisture and mould resistant
- Retains dimensions and form for optimal convenience
- Aesthetic finish and insulation with one panel
- 100% PEFC certified wood. FSC upon request

### Standard mounting

2 point\*  
(thickness:  $\leq 175$  mm)



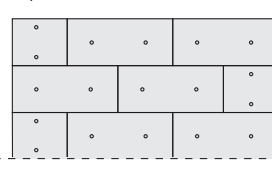
4 point\*  
(thickness:  $> 175$  mm)



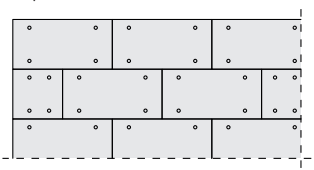
\*In combination with recommended mounting grid and level cement surface.

### Recommended mounting grid

2 point



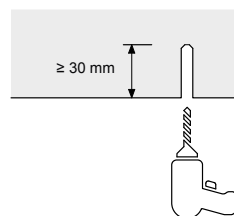
4 point



Please see our processing instructions for more information  
[www.heraklith.co.uk/content/downloads-documents](http://www.heraklith.co.uk/content/downloads-documents)

### Mounting materials

Solid battle plugs and DDS-plus concrete screws for quickly mounting wood wool panels directly to concrete, with a minimum embedment depth of only 25 mm and a drilled hole of a minimum of 30 mm.



# Herafoam

Wood Wool Combi Panel in accordance with DIN EN 13168:2012+A1  
WW-C2-EN 13168-L2-W1-T1-S2-P2-CS(10/Y)100-TR5-CI3

Panel range									
Panel thickness	mm ▶	65	75	90	100	125	140	155	170
Composition	mm [HW/PIR]	10/55	10/65	10/80	10/90	10/115	10/130	10/145	10/160
R <sub>D</sub>	m <sup>2</sup> .K/W	2.50	2.95	3.60	4.00	5.10	5.75	6.40	7.05
Weight	kg/m <sup>2</sup>	7.3	7.6	8.1	8.4	9.2	9.7	10.1	10.6
Length (L)	mm	1200							
Width (W)	mm	600							
Boards / pallet		36	32	28	24	20	16	16	16
m <sup>2</sup> / pallet		25.92	23.04	20.16	17.28	14.40	11.52	11.52	11.52

Technical information									
Properties	Symbol	Description					Unit	Norm	
Fire classification	-	B-s1,d0 <sup>1</sup>					-	EN 13501-1	
Heat conductivity coefficient	λ	Wood wool: 0.080 / PIR: 0.023					[W/mK]	EN 12667	
Compressive strength	σ <sub>m</sub>	≥ 100					[kPa]	EN 13168	
Tensile strength perpendicular to surface	σ <sub>mt</sub>	≥ 5					[kPa]	EN 13168	
Chloride levels	C	CI3					-	EN 13168	
Tolerances	-	Thickness (T1)	Length (L2)	Width (W1)	Squareness (S2)	Flatness (P2)	[mm]	EN 13168	
		+ 3/-2	+ 3 / -5	± 3	≤ 2	≤ 3			

<sup>1</sup> Mounted directly to concrete

Sound absorption coefficient <sup>1</sup>												
Panel type	F(Hz)	125	250	500	1000	2000	4000	α <sub>w</sub>	NRC	SAA	Report number	Norm
Herafoam [2mm], 50 mm	α <sub>s</sub> (1/1 octave)	0.03	0.06	0.23	0.26	0.37	0.68	<b>0.25</b>	0.20	0.23	A 3022-3E-RA-001	ISO 11654 / ASTM-C423

<sup>1</sup> Mounted directly to concrete

Standard construction	Options
Wood	100% PEFC certified
Finishing	2.0 mm
Colour	Natural shade (RAL 1015)
Edge finishing	Bevelled all round
Other	Alternating lapjoints
	all round
	Wood
	100% FSC certified
	Finishing
	1.0 mm
	Colour
	White, RAL or
	NCS colours
	Panel variant
	End panel

In addition to the standard constructions and options, it is possible to customise Heraklith panels entirely to your needs. For more information please contact our export manager via [info.nl@heraklith.com](mailto:info.nl@heraklith.com)

DoP-code: W4077HPCPR ([www.dopki.com](http://www.dopki.com))