

Heraklith® | Herafoam



Heraklith® | Herafoam is a wood wool 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)



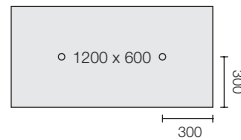
Thermal resistance
 $R_D = 7.05$ (170 mm)

Advantages

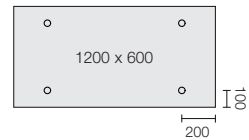
- Very high thermal insulation values with low panel thickness
- 2 point mounting ensures quick installation and tightly aligned patterns
- Optimal retention of thermal resistance by combining lapjoints with 2 point mounting
- Lightweight wood wool panel
- Moisture and mould resistant
- Retains dimensions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

Standard mounting

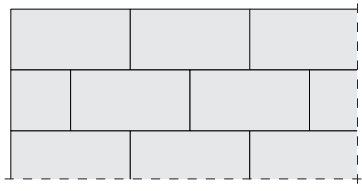
2 point (thickness: 85-175 mm)



4 point (thickness: 50 mm en > 175 mm)



Recommended mounting grid



Always mount in the recommended pattern against a flat concrete surface. Please see our processing instructions for more information on www.heraklith.co.uk/content/downloads-documents

Mounting materials

MSP Anchor Fixings 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.



Panel range										
Panel thickness (T)	mm ▶	50*	85	100	115	125	130	140	155	170
Composition	mm [HW/PIR]	10/40	10/75	10/90	10/105	10/115	10/120	10/130	10/145	10/160
R _D	m ² .K/W	1.85	3.35	4.00	4.65	5.10	5.30	5.75	6.40	7.05
Weight	kg/m ²	6.8	7.9	8.4	8.9	9.2	9.3	9.7	10.1	10.6
Length (L)	mm	1200								
Width (W)	mm	600								
Panels / pallet		44	28	24	20	20	16	16	16	12
m ² / pallet		31.68	20.16	17.28	14.40	14.40	11.52	11.52	11.52	8.64

* Insulation material produced without rabbet

Technical information								
Properties	Symbol	Description				Unit	Norm	
Fire classification	-	B-s1,d0 ¹				-	EN 13501-1	
Heat conductivity coefficient	λ	Wood wool: 0.080 / PIR: 0.023				[W/mK]	EN 12667	
Compressive strength	σ _m	≥ 100				[kPa]	EN 13168	
Tensile strength perpendicular to surface	σ _{mt}	≥ 5				[kPa]	EN 13168	
Chloride levels	C	CI3				-	EN 13168	
Tolerances	-	Thickness (T1)	Length (L2)	Width (W1)	Squareness (S2)	Flatness (P2)	[mm]	EN 13168
		[T≤100] +3 / -2 [T>100] +4 / -3	+ 3 / -5	± 3	≤ 2	≤ 3		

¹ Mounted directly to concrete

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

¹ Mounted directly to concrete

Standard construction	Options
Wood	100% PEFC certified
Finishing	2.0 mm
Colour	Nature tone (RAL 1015)
Edge finishing	Bevelled all round
Other	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

DoP-code: W4077HPCPR (www.dopki.com)