Product Sheet

Heraklith®

Heraklith® | Roof

Heraklith® | Roof is a self-supporting wood wool cement panel reinforced with three hardwood beams. Heraklith Roof has been specifically designed for flat or gently inclined self-supporting roof structures with moisture regulating and sound absorption properties. The panel is untreated, retaining its natural structure and square edges. The Roof panel can be easily used with other insulation materials as long as a suitable vapour barrier has been placed that ensures a completely insulated roof structure.

Product Performance

Fire classification
B-s1, d0

Sound absorption
$\alpha_w \geq 0.72$

Thermal resistance
$R_D = 0.60$

Advantages

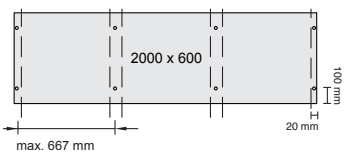
- Excellent moisture controlling properties
- Mounted easily using roof nails
- Easily combined with insulation materials
- PEFC certified wood. FSC upon request

Mounting materials

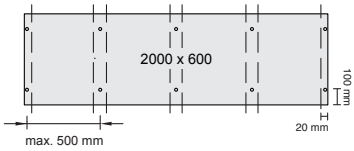
Roofing nails, for quickly fixing the wood wool panels directly to the joist structure.

Standard mounting

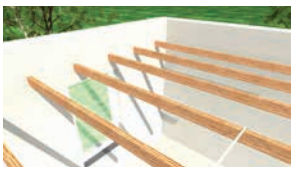
8 point (q_{max}: 5,01 kN/m²)



12 point (q_{max}: 8,91 kN/m²)



Processing instructions



Ensure the correct centre-to-centre distance for the beam structure.

Lay the panels side by side and square to the joists. Use crawl boards when working in the panels.

The panels are attached with 3 roofing nails per support joist. Keep the nails at least 100 mm clear of the outer edges.

Once the roof panels have been installed they must be protected from the weather.

PEFC PEFC/30-31-241

ISO 9001
ISO 14001
OHSAS 18001
BUREAU VERITAS Certification

20889

Roof

Wood Wool Panel in accordance with DIN EN 13168:2012+A1
WW-EN 13168-L2-W1-T1-S2-P2-CS(10/Y)200-TR5-Cl3

Panel range		
Panel thickness	**mm ▶**	**50**
R_D	m2.K/W	0.60
Weight	kg/m²	25
Length (L)	mm	2000
Width (W)	mm	600
Boards / pallet		44
m² / pallet		52.80

Technical information							
Properties	**Symbol**	**Description**				**Unit**	**Norm**
Fire classification	-	B-s1,d0				-	EN 13501-1
Heat conductivity coefficient	λ	Wood wool: 0.080				[W/mK]	EN 12667
Compressive strength	σm	≥ 200				[kPa]	EN 13168
Maximum permissable q load	σmt	centre-to-centre max. 500 mm: 8.91				kN/m1	EN 1990+A1+A1/C2
		centre-to-centre max. 667 mm: 5.01					
Chloride levels	Cl	Cl3				-	EN 13168
Tolerances	-	Thickness (T1)	Length (L2)	Width (W1)	Squareness (S2)	Flatness (P2)	[mm]	EN 13168
		+ 4/-3	+ 3 / -5	± 3	≤ 2	≤ 3		

Sound absorption coefficient [1]												
Panel type	**F(Hz)**	**125**	**250**	**500**	**1000**	**2000**	**4000**	**α_w**	**NRC**	**SAA**	**Report number**	**Norm**
Heraklith Roof [3mm], 50mm	α_s 1/1 oct.	0.11	0.29	0.85	0.71	0.74	0.78	**0.72**	0.60	0.65	A 2828-2E-RA-001	ISO 11654 / ASTM-C423

[1] Mounted directly to concrete

Standard construction	
Wood	PEFC
Finishing	3.0 mm
Colour	Natural (unsprayed and undried)
Edge finishing	Square edges

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

03/2017 V1

Knauf Insulation B.V. | Florijnstraat 2 | PO Box 375 | 4900 AJ Oosterhout | The Netherlands | info.nl@heraklith.com | www.heraklith.co.uk