

Heradesign.

for good architecture

Heradesign[®] *fine* A2
Product Data & Certificates


Heradesign® *fine* A2

1-layer non-combustible magnesite bonded wood wool acoustic panel (fibre width 2 mm).

Characteristic surface structure, building biology recommended.

Colour variations

The natural, characteristic texture of wood wool is perfectly suitable as a surface for creative colour design. An almost unlimited range of colours is available – almost every colour tone from popular colour systems such as RAL, NCS, BS or StoColor can be chosen.

Nominal size mm	600 x 600 1200 x 600	
Thickness mm	15	25
Weight kg/m ²	13.0	19.0
Sound absorption value α_W up to 0.75		
Reaction to fire acc. to EN 13501-1: A2-s1, d0		
Product declaration: WW-EN 13168-L3-W2-T2-S3-P2-CS(10) 200-CI3		
 EC Conformity Certificate Reg. No.: K1-0751-CPD-209.0-02-01/2011		
ABZ General Building Approval: Z-23.15-1562		

white similar to RAL 9010	beige natural tone 13	Pastel colours	Solid colours	Metallic colours	Special colours
✓	✓	✓	✓	✓	✓

Areas of application

As decorative, acoustically effective suspended ceilings and wall coverings for use indoors and in covered outside areas that are not exposed to weather such as rain or environmental pollution.

Limitations of use

- Maximum span is 600 mm
- Suitable for rooms with a constant relative humidity of up to 90%. Application in rooms with a constant relative humidity higher than 80% requires consultation with structural-physical experts.
- Not suitable for glue mounting!

Installation

The installation of Heradesign acoustic panels is part of interior decorating and may only be carried out under controlled humidity and temperature conditions. All dust-causing construction measures must be completed before starting the installation.

Store panels flat and protect against moisture and dirt. The packaging does not protect the product against rain! Please pay attention to the relevant application, installation and storage guidelines for Heradesign acoustic panels.

Special notes

- Deviations in colour tone from the colour chart and colour perception are possible due to the rough fibre or panel surface.
- Manufacturing tolerance for nominal size:
L3, W2, T2: ± 1 mm, for lengths > 1200 mm L3: ± 2 mm.
- A film (thickness < 30 μm) is recommended as trickle protection for mineral wool linings.
- Maximum dimensional changes in a standard climate of 23°C/50% rel. humidity is ± 1 %.

This Product Information corresponds with the current state of development of our products and will cease to be valid upon publication of a new edition. Please check that you are using the latest edition of this information. The suitability of the product is not binding for special individual cases. Warranty and liability upon delivery shall be in accordance with our General Terms and Conditions. No responsibility is assumed for the correctness of this information. Version of 1st April 2011.



Overview of Certificates

Safety against ball throwing according to DIN 18 032 / Part 3 / Ceiling

Test specimen	Construction	Country / Test Institute		Certificate no.	Result
Heradesign® fine A2					
Thickness: 25 mm Size: 1200 x 600 Edge: AK-01	Screw mounting, CD sections 27 x 60 x 0.6 mm, centre distance ≤ 600 mm, mounting: 9 screws/panel, Heradesign screws	D	FMPA Baden-Württemberg (Institute for Research and Material Testing), FMPA Stuttgart	901 7927 00/09/Sc/Kf	"safe against ball throwing" acc. to DIN 18 032 / Part 3
Thickness: 25 mm Size: 1200 x 600 Edge: AK-01	Screw mounting, U-shaped steel sections 26 x 80 x 26 x 0,55 mm, centre distance ≤ 625 mm, mounting: 9 screws/panel, Heradesign screws	D	FMPA Baden-Württemberg (Institute for Research and Material Testing), FMPA Stuttgart	901 7927 00/28/Sc/Kf	"safe against ball throwing" acc. to DIN 18 032 / Part 3 or Class 1A acc. to EN 13964, Annex D
Thickness: 25 mm Size: 1200 x 600 Edge: AK-01	Screw mounting, wood lath size 60 x 30 mm, centre distance 600 mm, mounting: 9 screws/panel, Heradesign screws	D	FMPA Baden-Württemberg (Institute for Research and Material Testing), FMPA Stuttgart	901 7927 00/08/Sc/Kf	"safe against ball throwing" acc. to DIN 18 032 / Part 3 or Class 1A acc. to EN 13964, Annex D

Safety against ball throwing according to DIN 18 032 / Part 3 / Wall

Test specimen	Construction	Country / Test Institute		Certificate No.	Result
Heradesign® fine A2					
Thickness: 25 mm Size: 1200 x 600 Edge: AK-01	Screw mounting, wood lath size 60 x 30 mm, centre distance 600 mm, mounting: 9 screws/panel, Heradesign screws	D	FMPA Baden-Württemberg (Institute for Research and Material Testing), FMPA Stuttgart	901 7927 00/18/Sc/Kf	"safe against ball throwing" acc. to DIN 18 032 / Part 3 or Class 1A acc. to EN 13964, Annex D
Thickness: 25 mm Size: 1200 x 600 Edge: AK-01	Screw mounting, CD sections 27 x 60 x 0.6 mm, centre distance 600 mm, mounting: 9 screws/panel, Heradesign screws	D	FMPA Baden-Württemberg (Institute for Research and Material Testing), FMPA Stuttgart	901 7927 00/29/Sc/Kf	"safe against ball throwing" acc. to DIN 18 032 / Part 3

Sound absorption values

Test specimen					Certificate			Sound absorption coefficient α								
Panel type	Thickness (mm)	TCH ¹⁾ (mm)	Back-filling (mm)	Type ²⁾	Test Institute/ Country	No.	Date	Frequencies (Hz) · α_p						Full range		Class
								125	250	500	1000	2000	4000	NRC ³⁾	α_w	
without backfilling																
Heradesign fine A2	15	15	0	---	SRL/UK	6022	15.03.10	0.05	0.10	0.20	0.55	0.85	0.70	0.40	0.30 (MH)	D
Heradesign fine A2	25	25	0	---	Fraunhofer **	P-BA 134/2009	15.12.09	0.05	0.15	0.35	0.90	0.75	0.81		0.40 (MH)	D
Heradesign fine A2	25	65	0	---	TGM/Vienna	TM_TGM_11068_5	18.04.05	0.05	0.25	0.65	0.60	0.50	0.70	0.50	0.50 (H)	D
Heradesign fine A2	25	125	0	---	Fraunhofer **	P-BA 116/2009	15.12.09	0.20	0.65	0.80	0.60	0.66	0.70		0.70	C
Heradesign fine A2	25	305	0	---	TGM/Vienna	TM_TGM_11068_2	18.04.05	0.50	0.65	0.40	0.40	0.60	0.75	0.50	0.45 (LH)	D
with mineral wool																
Heradesign fine A2	15	200	40	DP-5	SRL/UK	6034	15.03.10	0.60	0.90	0.85	0.70	0.60	0.80	0.75	0.70 (L)	C
Heradesign fine A2	25	65	40	DP-5	TGM/Vienna	TM_TGM_11068_4	18.04.05	0.20	0.80	0.90	0.60	0.65	0.80	0.70	0.65 (LMH)	C
Heradesign fine A2	25	305	40	DP-5	TGM/Vienna	TM_TGM_11068_1	18.04.05	0.75	0.80	0.75	0.65	0.65	0.85	0.70	0.70 (LH)	C
Heradesign fine A2	25	125	60	DP-5	Fraunhofer **	P-BA 120/2009	15.12.09	0.55	1.00	0.80	0.70	0.75	0.75		0.75 (L)	C
Heradesign fine A2, + 20 µm PE film	25	125	60	DP-4	TGM/Vienna	TM TGM 11233_16	15.12.08	0.60	0.85	0.60	0.55	0.70	0.75		0.60 (LH)	C
Heradesign fine A2	25	105	80	DP-5	TGM/Vienna	TM_TGM_11068_3	18.04.05	0.55	1.00	0.80	0.65	0.65	0.80	0.75	0.70 (L)	C

1) TCH: total construction height; lower edge of bare ceiling to lower edge of Heradesign acoustic panel

2) Typ: DP-4: gross density = 40 kg/m³





DP-5: gross density = 50 kg/m³

3) NRC: average sound absorption coefficients α_s at frequencies of 250 + 500 + 1000 + 2000 Hz: 4, rounded to the nearest increment 0.05

** Fraunhofer IBP / Stuttgart

Overview of Certificates

Fire resistance duration

Construction	Description	Classification	Verification	Technical data sheet
	Heradesign fine A2 (thickness 25 mm) Construction: Screwed to wood laths 80/40, with mineral wool DP-5 lining t = 40 mm, wood laths mounted with dowels directly onto the concrete	EI 30 (a←b)	Classification Report No. MA39-VFA 2005-0567.01, A	TM 07/10
	Heradesign fine A2 (thickness 25 mm) Construction: Screwed to CD sections and suspended, with mineral wool DP-5 lining t = 40 mm	EI 30 (a←b)	Test Certificate No. VFA 2006 - 0641.01 MA 39, A	TM 09/10
	Heradesign fine A2 (thickness 25 mm) Construction: Screwed to wood laths 30/60 and suspended, with 2 x DP-9 GS lining 2 x 25 mm	EI 30 (a←b)	Test Certificate No. 3086/708/09 IBMB Braunschweig, Germany	TM 17/10
	Heradesign fine A2 (thickness 25 mm) Construction: Screwed to wood laths 30/60 and suspended, with 2 x DP-9 GS lining 2 x 50 mm	EI 30 (a←b)	Test Certificate No. 3423_176_09 / 05.05.2010 IBMB Braunschweig, Germany	TM 03/10



Heradesign guarantees that, in accordance with the manufacturer's declaration, the products have been manufactured free from defects and that, in compliance with the stipulated installation conditions or processing guidelines, they will remain fully functional for 15 years from the date of delivery.

(This warranty declaration is not valid for the USA, Canada and France.)



In August 2010 Heradesign was awarded the Blue Angel for its sustainable production methods as well as for using only natural materials and materials that are safe in terms of building biology.

A business unit of Knauf Insulation

Heradesign

for good architecture

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