

Heradesign.

for good architecture

Heradesign® *superfine*
Product Data & Certificates

Heradesign® *superfine*

1-layer magnesite bonded wood wool acoustic panel (fibre width 1 mm).
Exquisite 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	600 x 600, 625 x 625 1200 x 600, 1250 x 625
Thickness mm	15 25 35
Weight kg/m²	7.8 11.3 15.0
Sound absorption value α_W up to 1.00	
Reaction to fire acc. to EN 13501-1	B-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 625 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

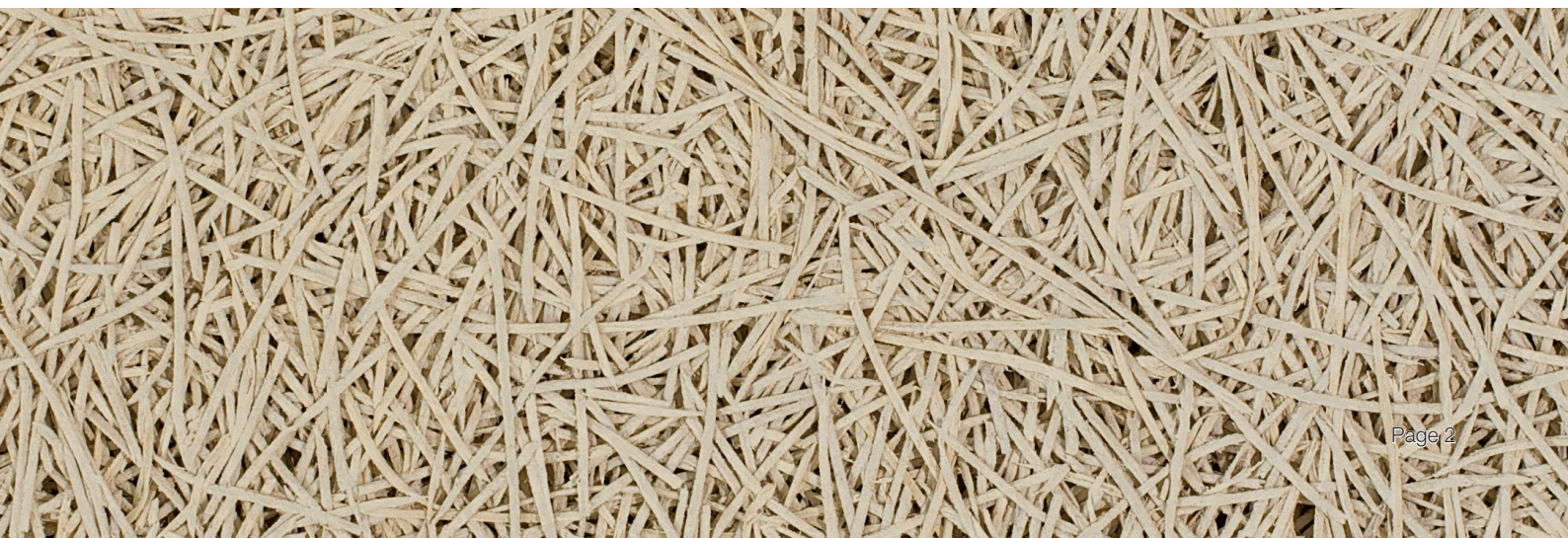
The installation of Heradesign acoustic panels is part of interior decorating and may only be carried out under controlled humidity and temperature conditions. All dust-causing construction measures must be completed before starting the installation.

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 μ m) 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 item	Construction	Country / Test Institute		Certificate No.	Result
Heradesign® superfine					
Thickness: 25 mm Size: 1250 x 625 Edge: AK-01	Screw mounting, CD sections 27 x 60 x 0.6 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 00/14/Sc/Kf	"safe against ball throwing" acc. to DIN 18 032 / Part 3
Thickness: 25 mm Size: 1250 x 625 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 00/27/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: SK-04	Insertion installation, hanger (Quicklock), centre distance 1200 mm, in T-sections 24 x 38 x 0.5 mm	D	FMPA Baden-Württemberg (Institute for Research and Material Testing), FMPA Stuttgart	901 7927 00/20/Sc/Kf	"safe against ball throwing" acc. to DIN 18 032 / Part 3 or Class 1A acc. to EN 13964, Annex D
Thickness: 35 mm Size: 1250 x 625 Edge: AK-01	Screw mounting, CD sections 27 x 60 x 0.6 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 00/10/Sc/Kf	"safe against ball throwing" acc. to DIN 18 032 / Part 3
Thickness: 35 mm Size: 1250 x 625 Edge: AK-01	Screw mounting, wood lath size 60 x 30 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 00/06/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 item	Construction	Country / Test Institute		Certificate No.	Result
Heradesign® superfine					
Thickness: 25 mm Size: 1250 x 625 Edge: AK-01	Screw mounting, wood lath size 60 x 30 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 00/22/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: 1250 x 625 Edge: AK-01	Screw mounting, CD sections 27 x 60 x 0.6 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 00/02/Sc/Kf	“safe against ball throwing” acc. to DIN 18 032 / Part 3
Thickness: 35 mm Size: 1250 x 625 Edge: AK-01	Screw mounting, CD sections 27 x 60 x 0.6 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 00/01/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	Thick- ness (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 <i>superfine</i>	15	15	0	---	SRL/UK	6023	15.03.10	0.05	0.10	0.25	0.45	0.90	0.80	0.40	0.30 (H)	D
Heradesign <i>superfine</i>	15	45	0	---	TGM/Vienna	TM TGM 10656_12	18.06.03	0.05	0.15	0.35	0.70	0.65	0.70		0.40 (MH)	D
Heradesign <i>superfine</i>	15	300	0	---	TGM/Vienna	TM TGM 10656_4	18.06.03	0.35	0.55	0.45	0.50	0.60	0.75		0.50 (LH)	D
Heradesign <i>superfine</i>	25	25	0	---	SRL/UK	5999	01.03.10	0.05	0.15	0.30	0.75	0.95	0.75	0.55	0.35 (MH)	D
Heradesign <i>superfine</i>	25	55	0	---	TGM/Vienna	TM TGM 10575/WS_05	23.09.02	0.10	0.20	0.45	0.70	0.55	0.75		0.45 (MH)	D
Heradesign <i>superfine</i>	25	85	0	---	TGM/Vienna	TM TGM 11233_3	15.12.08	0.10	0.30	0.75	0.70	0.65	0.80		0.60 (H)	C
Heradesign <i>superfine</i>	25	125	0	-	Fraunhofer IBP **	TM P-BA 118/2009	15.12.09	0.15	0.40	0.80	0.70	0.70	0.80		0.65 (H)	C

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

2) Type: DP-4: gross density = 40 kg/m³ / DP-5: gross density = 50 kg/m³ / DP-9: gross density = 90 kg/m³ / AP-GS: gross density = 70 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

* MBBM / Munic

** Fraunhofer IBP / Stuttgart

Overview of Certificates

Sound absorption values

Test specimen					Certificate			Sound absorption coefficient α								
Panel type	Thick- ness (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 <i>superfine</i> , insertion installation in T24/38 sections	25	200	0	---	SRL/UK	5990	01.03.10	0.25	0.65	0.70	0.60	0.75	0.90	0.70	0.70 (H)	C
Heradesign <i>superfine</i> , screw mounting	25	200	0	---	SRL/UK	5991	01.03.10	0.25	0.70	0.75	0.60	0.75	0.95	0.70	0.70 (H)	C
Heradesign <i>superfine</i>	25	300	0	---	TGM/Vienna	TM TGM 10575/WS_03	06.11.02	0.30	0.50	0.40	0.50	0.65	0.75		0.50 (H)	D
Heradesign <i>superfine</i>	35	35	0	---	SRL/UK	6020	15.03.10	0.10	0.25	0.55	1.00	0.80	0.95	0.65	0.55 (MH)	D
Heradesign <i>superfine</i>	35	65	0	---	TGM/Vienna	TM TGM 10656_8	18.03.03	0.10	0.25	0.55	0.80	0.65	0.85		0.55 (MH)	D
with mineral wool																
Heradesign <i>superfine</i>	15	45	30	DP-5	TGM/Vienna	TM TGM 10656_11	18.06.03	0.10	0.45	0.90	0.95	0.80	0.85		0.75	C
Heradesign <i>superfine</i>	15	299	40	DP-5	TGM/Vienna	TM TGM 10656_3	18.06.03	0.65	0.85	0.90	0.90	0.85	0.85		0.90	A
Heradesign <i>superfine</i>	25	50	25	DP-9	SRL/UK	6003	01.03.10	0.10	0.55	1.00	1.00	0.85	1.00	0.85	0.85 (H)	B
Heradesign <i>superfine</i> screw mounting	25	200	25	DP-9	SRL/UK	5994	01.03.10	0.45	0.95	1.00	1.00	0.95	1.00	1.00	1.00	A
Heradesign <i>superfine</i> , insertion installation in T24/38 sections	25	200	25	DP-9	SRL/UK	5995	01.03.10	0.45	0.90	1.00	1.00	0.90	0.95	1.00	1.00	A
Heradesign <i>superfine</i>	25	55	30	AP GS	TGM/Vienna	TM TGM 11161_01	09.01.06	0.15	0.60	1.00	0.90	0.80	0.90		0.85	B
Heradesign <i>superfine</i>	25	55	30	DP-5	TGM/Vienna	TM TGM 10575/WS_06	23.09.02	0.15	0.50	0.95	0.90	0.80	0.90	0.80	0.80	B
Heradesign <i>superfine</i> , 1 coat of paint	25	55	30	DP-5	TGM/Vienna	TM TGM 10575/WS_09	23.09.02	0.15	0.50	0.95	0.90	0.80	0.90	0.80	0.75 (H)	C
Heradesign <i>superfine</i> , 2 coats of paint	25	55	30	DP-5	TGM/Vienna	TM TGM 10575/WS_08	23.09.02	0.15	0.45	0.95	0.90	0.80	0.90	0.75	0.75 (H)	C
Heradesign <i>superfine</i> 3 coats of paint	25	55	30	DP-5	TGM/Vienna	TM TGM 10575/WS_07	23.09.02	0.15	0.45	0.85	0.95	0.80	0.90	0.75	0.75 (H)	C
Heradesign <i>superfine</i>	25	85	30	DP-4	TGM/Vienna	TM TGM 11233_21	15.12.08	0.30	0.75	1.00	0.85	0.85	0.95	0.85	0.90	A
Heradesign <i>superfine</i>	25	300	40	DP-5	TGM/Vienna	TM TGM 10575/WS_02	23.09.02	0.70	0.90	0.90	0.90	0.80	0.95	0.90	0.90	A
Heradesign <i>superfine</i>	25	200	50	DP-5	SRL/UK	6004	01.03.10	0.60	1.00	1.00	1.00	0.90	1.00	1.00	1.00	A
Heradesign <i>superfine</i>	25	85	50	DP-5	TGM/Vienna	TM TGM 11233_2	15.12.08	0.35	0.90	0.95	0.85	0.90	0.90	0.95	0.90	A
Heradesign <i>superfine</i>	25	125	60	DP-4	TGM/Vienna	TM TGM 11233_15	15.12.08	0.55	1.00	1.00	0.95	0.90	0.95	0.95	0.95 (L)	A
Heradesign <i>superfine</i>	25	225	200	DP-5	MBBM *	TM M84 565/13	28.01.10	0.85	0.95	1.00	0.90	0.90	0.95	0.95	0.95	A
Heradesign <i>superfine</i> + 30 mm air gap	25	255	200	DP-5	MBBM *	TM M84 565/16	28.01.10	0.85	1.00	1.00	0.85	0.85	0.95	0.95	0.90 (L)	A
Heradesign <i>superfine</i> + 43 µm PE film	25	225	200	DP-5	MBBM *	TM M84 565/14	28.01.10	0.70	0.80	0.95	0.95	0.95	0.95	0.90	0.95	A
Heradesign <i>superfine</i> + 30 mm air gap + 43 µm PE film	25	255	200	DP-5	MBBM *	TM M84 565/17	28.10.10	0.85	0.95	1.00	0.85	0.90	0.90	0.95	0.90 (L)	A
Heradesign <i>superfine</i> + 0,47 mm Hygrodiode	25	225	200	DP-5	MBBM *	TM M84 565/15	28.01.10	0.60	0.75	0.90	0.90	1.00	0.85	0.90	0.95	A
Heradesign <i>superfine</i> + 30 mm air gap + 0.47 mm Hygrodiode	25	255	200	DP-5	MBBM *	TM M84 565/18	28.01.10	0.85	0.95	0.90	0.90	0.85	0.90	0.90	0.90 (L)	A
Heradesign <i>superfine</i>	35	65	30	DP-5	TGM/Vienna	TM TGM 10656_06	18.06.03	0.15	0.60	0.95	0.90	0.85	0.95		0.85	B
Heradesign <i>superfine</i>	35	200	40	DP-5	SRL/UK	6030	15.03.10	0.65	1.00	1.00	0.95	1.00	0.95	1.00	1.00	A
Heradesign <i>superfine</i>	35	300	40	DP-5	TGM/Vienna	TM TGM 10656_01	18.06.03	0.70	0.90	0.90	0.90	0.90	1.00		0.90	A

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

2) Type: DP-4: gross density = 40 kg/m³ / DP-5: gross density = 50 kg/m³ / DP-9: gross density = 90 kg/m³ / AP-GS: gross density = 70 kg/m³

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

* MBBM / Muncie

** Fraunhofer IBP / Stuttgart

Overview of Certificates

Sound absorption values of Baffles

Test specimen				Certificate			Sound absorption coefficient α								
Panel type size in mm	Thickness ²⁾ (mm)	Row- distance ³⁾ (mm)	Suspension- height ⁴⁾	Test Institute/ Country	No.	Date	Frequencies (Hz) · α_p						Full range		Class
							125	250	500	1000	2000	4000	NRC ¹⁾	α_w	
Heradesign superfine 1200 x 600	55	350	0	MBBM *	TM M84 565/39	29.04.10	0.40	0.45	0.80	0.85	0.80	0.85	0.70	0.75	C
Heradesign superfine 1200 x 600	55	350	300	MBBM *	TM M84 565/41	29.04.10	0.40	0.50	0.80	0.85	0.80	0.85	0.75	0.80	B
Heradesign superfine 1200 x 600	55	700	0	MBBM *	TM M84 565/40	29.04.10	0.40	0.35	0.65	0.70	0.70	0.75	0.60	0.65	C
Heradesign superfine 1200 x 600	55	700	300	MBBM *	TM M84 565/42	29.04.10	0.35	0.35	0.70	0.75	0.70	0.75	0.60	0.65	C
Heradesign superfine 1200 x 300	55	350	0	MBBM *	TM M84 565/47	29.04.10	0.35	0.50	0.55	0.75	0.65	0.70	0.60	0.65	C
Heradesign superfine 1200 x 300	55	350	300	MBBM *	TM M84 565/49	29.04.10	0.30	0.30	0.60	0.75	0.65	0.70	0.55	0.60	C
Heradesign superfine 1200 x 300	55	700	0	MBBM *	TM M84 565/48	29.04.10	0.25	0.45	0.45	0.55	0.45	0.55	0.50	0.50	D
Heradesign superfine 1200 x 300	55	700	300	MBBM *	TM M84 565/50	29.04.10	0.25	0.20	0.50	0.60	0.50	0.55	0.45	0.50	D

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

2) Thickness: 15/25/15 mm

3) Spacing between rows: centre distance baffle to baffle

4) Suspension height: lower edge of bare ceiling to upper edge of baffle

* MBBM / Munic

Fire resistance duration

Construction	Description	Classification	Verification	Technical data sheet
	Heradesign superfine (Thickness 25 mm) Construction: Suspended as insertion installation in grid system, with mineral wool DP-5 lining $t \geq 2 \times 50$ mm	F 30 as an independent ceiling element	Test Certificate No. 3564/905/08 IBMB Braunschweig, Germany	TM 04/10
	Heradesign superfine (Thickness 25 mm) Construction: Suspended as insertion installation in grid system, with mineral wool DP-5 lining $t = 2 \times 50$ mm	EI 30 (a←b)	Test Certificate No. VFA 2004 - 1945.01 MA 39 Vienna, A	TM 20/10
	Heradesign superfine (Thickness 25 mm) Construction: Screwed to CD sections 60 x 27 x 0.6 and suspended, with 2 x DP-9 lining 2 x 50 mm	EI 30 (a←b)	Test Certificate No. 3144/897/09 IBMB Braunschweig, Germany	TM 02/10
	Heradesign superfine (Thickness 25 mm) Construction: Screwed to CD sections 60 x 27 x 0.6 and suspended, with 2 x DP-5 lining 2 x 30 mm	EI 30 (a←b)	Test Certificate No. VFA 2006-0699.01 MA 39 Vienna, A	TM 12/10
	Heradesign superfine (Thickness 25 mm) Construction: Screwed to CD sections 60 x 27 x 0.6 and suspended, with 2 x DP-5 lining 2 x 30 mm	EI 30 (a←b)	Test Certificate No. VFA 2006-0699.01 MA 39 Vienna, A	TM 12/10

Overview of Certificates

Sound absorption values of Ceiling Rafts

Test specimen					Certificate			Absorption area A _{obj}								
Panel type / size ³⁾	Thick- ness ²⁾ (mm)	Back- filling	Suspension height ⁴⁾	Type ¹⁾	Test Institute/ Country	No.	Date	Frequencies (Hz): Absorption area A _{obj}						Full range		Class
								125	250	500	1000	2000	4000	NRC	α _w	
without backfilling																
Heradesign <i>superfine</i> 2400 x 1200 x 125 mm	25	0	0		MBBM *	TM M84 565/27	29.04.10	0.50	1.30	2.90	2.60	2.80	3.60	---	---	---
Heradesign <i>superfine</i> 2400 x 1200 x 125 mm	25	0	100	---	MBBM *	TM M84 565/29	29.04.10	0.70	2.00	2.40	2.50	3.40	3.90	---	---	---
Heradesign <i>superfine</i> 2400 x 1200 x 125 mm	25	0	200	---	MBBM *	TM M84 565/31	29.04.10	0.80	2.00	1.80	2.50	3.50	4.20	---	---	---
with mineral wool																
Heradesign <i>superfine</i> 2400 x 1200 x 125 mm	25	50	0	DP-5	MBBM *	TM M84 565/28	29.04.10	1.10	3.40	4.00	3.30	3.30	3.60	---	---	---
Heradesign <i>superfine</i> 2400 x 1200 x 125 mm	25	50	100	DP-5	MBBM *	TM M84 565/30	29.04.10	1.30	3.70	4.50	4.10	4.00	4.20	---	---	---
Heradesign <i>superfine</i> 2400 x 1200 x 125 mm	25	50	200	DP-5	MBBM *	TM M84 565/32	29.04.10	1.40	3.70	4.30	4.40	4.30	4.80	---	---	---

1) Type: DP-5; gross density = 50 kg/m³

2) Thickness: thickness of the Heradesign acoustic panel

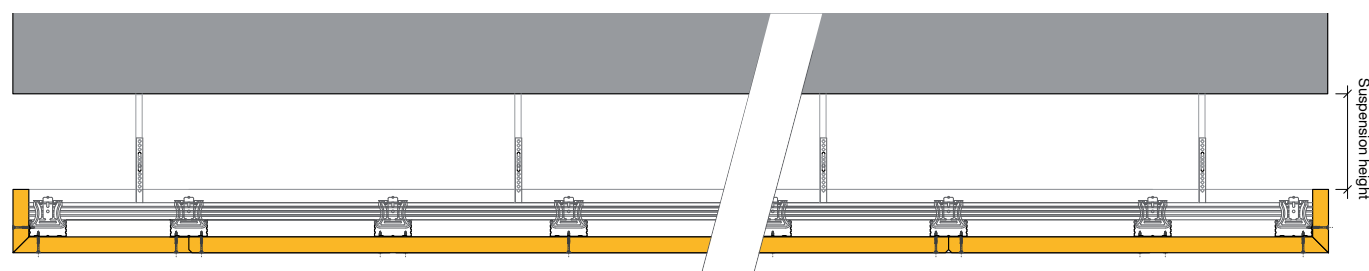
3) Size of the tested ceiling rafts: 2400 x 1200 x 125 mm (L x W x H)

H = height of the lateral upstand

4) Suspension height: lower edge of bare ceiling to upper edge of lateral upstand

* MBBM / Munic

Ceiling raft cross section



Normalised flanking level difference according to DIN EN ISO 10848-2:2006

Heradesign® <i>superfine</i>				
Construction	Description	Classification	Verification	Technical data sheet
	Heradesign <i>superfine</i> 25 mm, suspended 700 mm as insertion installation in grid system, without Heralan DP-5 lining and without partition wall absorber bulkhead	D_{n,f,w} = 18 dB	P-BA 139-2009 Date: 15.12.2010	TM-SA-01
	Heradesign <i>superfine</i> 25 mm, suspended 700 mm as insertion installation in grid system, with 40 mm Heralan DP-5 lining, without partition wall absorber bulkhead	D_{n,f,w} = 30 dB	P-BA 138-2009 Date: 15.12.2010	TM-SA-02



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

Heradesign Ceiling Systems
A-9702 Ferndorf 29, Austria
Tel.: +43 4245 2001-3003
Fax: +43 4245 2001-3499
office@heradesign.com
www.heradesign.com