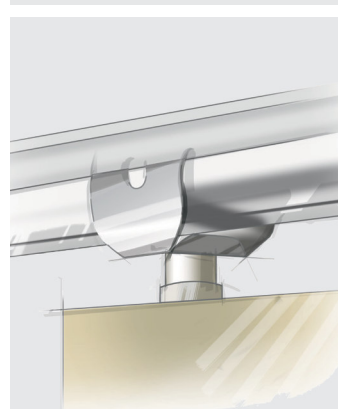
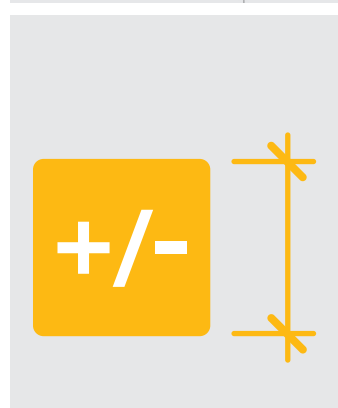
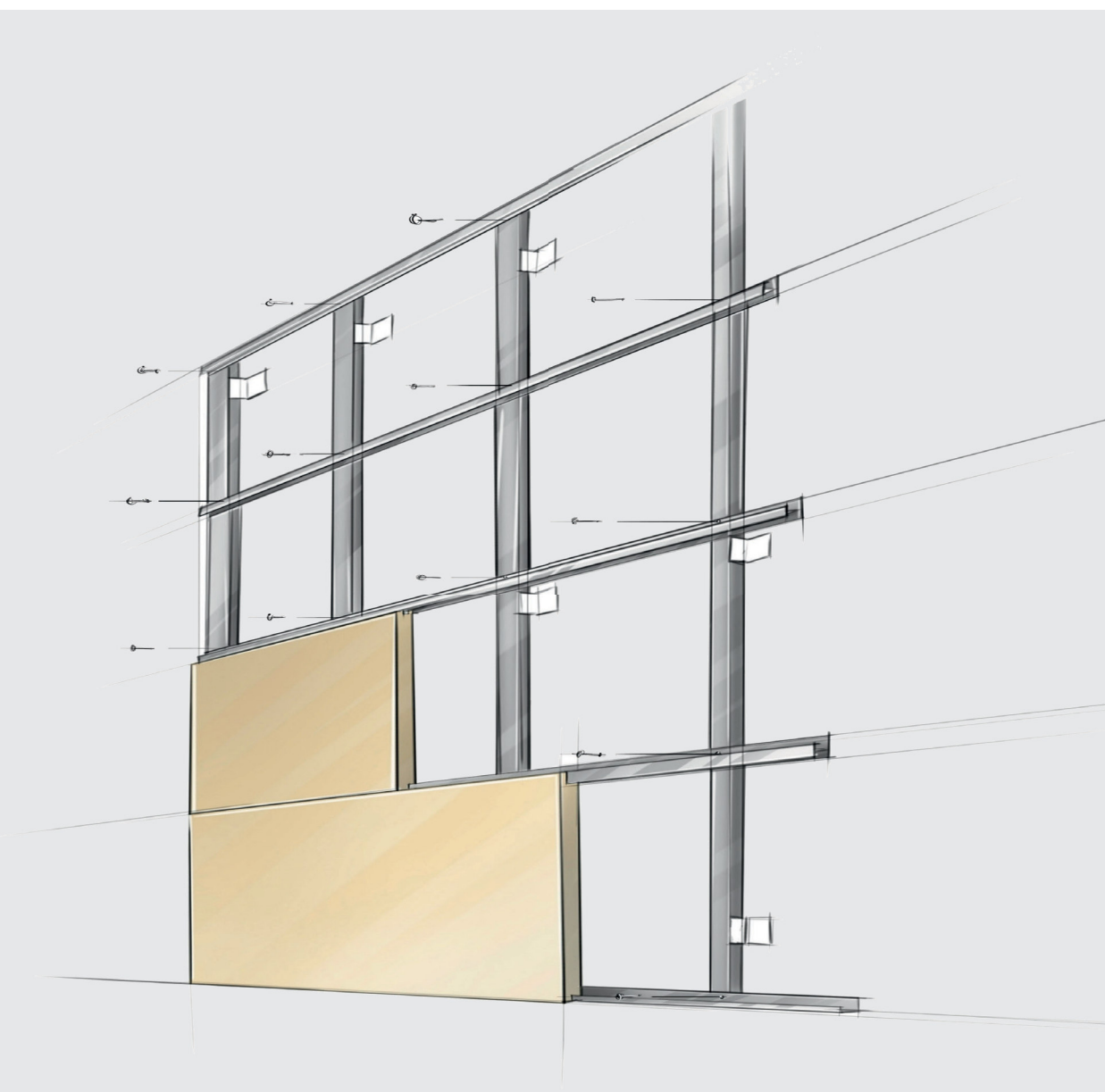




**Heradesign®**

Product data

HERADESIGN® micro



# Product data

## HERADESIGN® micro

Single layer layer magnesite-bonded wood wool acoustic panel with fine pore surface structure, building biology recommended.

### Colour variants

The natural characteristic structure of the wood wool is ideally suitable as a surface for creative colour schemes. An almost unlimited range of colours is available - almost any colour from popular colour systems such as RAL or NCS, may be selected.

Nominal dimensions [mm]	600 x 600, 625 x 625, 1200 x 600, 1250 x 625	
Thickness [mm]	25	35
Weight [kg/m <sup>2</sup> ]	15,0	19
Sound absorption value $\alpha_w$ up to 0.55		
Reaction to fire according to DIN 13501-1: <b>B-s1, d0</b>		
Designation code: WW-EN 13168-L4-W2-T2-S2-P2-CI3		
General Building Authority Approval: Z-23.15-1562		
Declaration of performance under <a href="http://www.knaufamf-dop.com">www.knaufamf-dop.com</a>		

White similar to RAL 9010	beige Natural tone 13	Pastel colours	Solid colours	Metallic colours	Special colours
●	●	●	●	●	●

### Areas of application

As decorative and acoustically effective sub-ceiling and wall cladding for use in interior rooms and roofed outdoor areas, which are not exposed to direct environmental influences such as rain or pollutants.

### Limitations of use

- Maximum span 625 mm!
- Suitable for rooms with a constant humidity of up to 90%. For applications where there is a constant humidity in excess of 80% construction physics advice is recommended!

### Installation

Installation of HERADESIGN® acoustic panels is part of the interior fitting of the building and must only be carried out under conditions of controlled humidity and temperature. All building activities which create dust must be completed before the start of installation. Store the panels flat and protect against moisture and dirt. The packaging does not protect the products against rain! Also note the relevant application, installation and storage guidelines for HERADESIGN® acoustic panels.

### Special information






- Deviations in colour from the edge colour and colour perception are possible due to the rough surface of the fibres or the surface of the panel.
- Manufacturing tolerances in nominal dimensions: L4, W2, T2: ± 1 mm, for lengths > 1250 mm L4: ± 2 mm
- A foil (thickness < 30 µm) is recommended for trickle protection for mineral wool linings.
- Max. changes in dimension in standard climate 23° C/50 % rel. humidity: ±1 %










This product information corresponds to the present state of development of our products and become invalid on the publication of a new version. Always make sure that you use the latest version of this information. The suitability of the product is not binding for special individual cases. Warranties and liability for deliveries are governed by our General Terms of Business. All data are included without warranty. Version 12/2016 - JB

# Overview of test reports

## Ball impact resistant ceiling panelling according to DIN 18 032 / part 3 or EN 13964 Annex D

Construction	Product	Substructure		Center distance support profile	Installation	Fastening	Test report No.
	<b>HERADESIGN® micro</b> Thickness : 25 mm Format: 1250 x 625	CD sections 60x27x0,6 mm	Double layer	≤ 625 mm	Transverse to substructure	HERADESIGN® screw 9 pcs/panel	902 6000 000/24/Sc/Whr MPA Stuttgart
	<b>HERADESIGN® micro</b> Thickness : 25 mm Format: 1250 x 625	Wooden battens 60x30 mm	Double layer	≤ 625 mm	Transverse to substructure	HERADESIGN® screw 9 pcs/panel	902 6000 000/16/Sc/Whr MPA Stuttgart
	<b>HERADESIGN® micro</b> Thickness : 35 mm Format: 1250 x 625	CD sections 60x27x0,6 mm	Double layer	≤ 625 mm	Transverse to substructure	HERADESIGN® screw 9 pcs/panel	902 6000 000/25/Sc/Whr MPA Stuttgart
	<b>HERADESIGN® micro</b> Thickness : 35 mm Format: 1250 x 625	Wooden battens 60x30 mm	Double layer	≤ 625 mm	Transverse to substructure	HERADESIGN® screw 9 pcs/panel	902 6000 000/9/Sc/Whr MPA Stuttgart
	<b>HERADESIGN® micro</b> Thickness : 35 mm Format: 1250 x 625 Kante: SY-02	Holding profiles		≤ 625 mm	-	HERADESIGN® holding profiles	902 9567 000/17/Sc/Whr MPA Stuttgart

## Ball impact resistant wall panelling according to DIN 18 032 / part 3

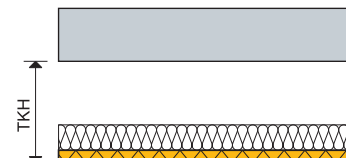
Construction	Product	Substructure		Center distance support profile	Installation	Fastening	Test report No.
	<b>HERADESIGN® micro</b> Thickness : 25 mm Format: 1250 x 625	CD sections 60x27x0,6 mm	Double layer	≤ 312,5 mm	Transverse to substructure	HERADESIGN® screw 9 pcs/panel	902 6000 000/12/Sc/Whr MPA Stuttgart
	<b>HERADESIGN® micro</b> Thickness : 25 mm Format: 1250 x 625	Wooden battens 60x30 mm	Double layer	≤ 312,5 mm	Transverse to substructure	HERADESIGN® screw 9 pcs/panel	902 6000 000/11/Sc/Whr MPA Stuttgart
	<b>HERADESIGN® micro</b> Thickness : 25 mm Format: 1250 x 625	CD sections 60x27x0,6 mm	Single layer	≤ 312,5 mm	Längs	HERADESIGN® screw 6 Stück / Platte	902 9567 000/3/Sc/Whr MPA Stuttgart
	<b>HERADESIGN® micro</b> Thickness : 35 mm Format: 1250 x 625	CD sections 60x27x0,6 mm	Single layer	≤ 625 mm	Transverse to substructure	HERADESIGN® screw 9 pcs/panel	902 6000 000/5/Sc/Whr MPA Stuttgart
	<b>HERADESIGN® micro</b> Thickness : 35 mm Format: 1250 x 625	Wooden battens 60x30 mm	Double layer	≤ 625 mm	Transverse to substructure	HERADESIGN® screw 9 pcs/panel	902 6000 000/4/Sc/Whr MPA Stuttgart
	<b>HERADESIGN® micro</b> Thickness : 35 mm Format: 1250 x 625	CD sections 60x27x0,6 mm	Single layer	≤ 625 mm	Transverse to substructure	HERADESIGN® screw 9 pcs/panel	902 7763 000/5/Sc/Whr MPA Stuttgart
	<b>HERADESIGN® micro</b> Thickness : 35 mm Format: 1250 x 625 Kante: SY-02	Holding profiles		≤ 625 mm	-	HERADESIGN® holding profiles	902 9567 000/11/Sc/Whr MPA Stuttgart

# Overview of test reports

## Sound absorption values

Test specimen					Sound absorption coefficient $\alpha$																										
Panel type	Thick-ness [mm]	TKH <sup>1)</sup> [mm]	HERADESIGN® Acoustic lining		Frequencies [Hz], as										Frequencies [Hz], ap					entire range		Class									
			[mm]	Gross density [kg/m <sup>3</sup> ]	100	125	160	200	250	315	400	500	630	800	1000	1250	1600	2000	2500	3150	4000		5000	125	250	500	1000	2000	4000	NRC	$\alpha_w$
<b>without acoustic lining</b>																															
HERADESIGN® micro	25	25	0	---	0,08	0,10	0,17	0,31	0,39	0,54	0,56	0,58	0,51	0,43	0,40	0,32	0,30	0,29	0,31	0,30	0,35	0,38	0,10	0,40	0,55	0,40	0,30	0,35	0,40	0,40	D
HERADESIGN® micro	25	55	0	---	0,17	0,21	0,33	0,41	0,50	0,51	0,53	0,56	0,54	0,48	0,46	0,41	0,40	0,41	0,43	0,46	0,47	0,47	0,25	0,45	0,55	0,45	0,40	0,45	0,50	0,45	D
HERADESIGN® micro	25	85	0	---	0,19	0,25	0,33	0,50	0,61	0,65	0,69	0,69	0,68	0,60	0,51	0,46	0,45	0,46	0,50	0,48	0,50	0,48	0,25	0,60	0,70	0,55	0,45	0,50	0,55	0,55 (L)	D
HERADESIGN® micro	35	35	0	---	0,17	0,19	0,33	0,45	0,54	0,56	0,50	0,40	0,35	0,29	0,26	0,24	0,25	0,27	0,28	0,32	0,34	0,41	0,25	0,50	0,40	0,25	0,25	0,35	0,35	0,30 (L)	D
<b>with acoustic lining</b>																															
HERADESIGN® micro	25	200	40	50	0,39	0,53	0,56	0,50	0,46	0,47	0,43	0,38	0,36	0,33	0,30	0,30	0,32	0,35	0,35	0,36	0,39	0,42	0,50	0,50	0,40	0,30	0,35	0,40	0,35	0,35 (L)	D
HERADESIGN® micro	25	200	100	90	0,39	0,48	0,57	0,47	0,45	0,47	0,46	0,42	0,38	0,33	0,32	0,30	0,32	0,36	0,37	0,39	0,42	0,45	0,50	0,45	0,40	0,30	0,35	0,40	0,40	0,35 (L)	D
HERADESIGN® micro	25	300	40	50	0,39	0,50	0,45	0,45	0,47	0,47	0,45	0,46	0,46	0,46	0,45	0,44	0,45	0,48	0,49	0,51	0,50	0,53	0,45	0,45	0,45	0,45	0,45	0,50	0,45	0,45	D
HERADESIGN® micro	35	200	40	50	0,25	0,56	0,47	0,39	0,36	0,32	0,32	0,31	0,30	0,27	0,27	0,29	0,29	0,28	0,31	0,33	0,39	0,40	0,45	0,35	0,30	0,30	0,30	0,35	0,30	0,30 (L)	D

<sup>1)</sup> TKH: Total construction height: Lower edge of ceiling to lower edge of HERADESIGN® acoustic panel  
 NRC value: Average  $\alpha_w$  over the frequencies (250 + 500 + 1000 + 2000):4, rounded to the next increment 0,05



## Fire resistance duration

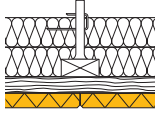
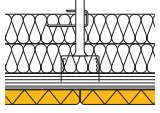
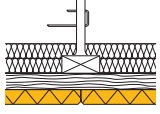
Construction	Product	Substructure	Mineral wool lining	Classification	Evidence	AbP No./Institut
	<b>HERADESIGN® micro</b> Thickness: 25 mm	CD sectione 60x27x0,6 mm	Auflage 2 x 50 mm Gross density: 90 kg/m <sup>3</sup>	<b>EI 30</b> (a-b)	No. 3730/372/10 MPA Braunschweig D	P-MPA-E-16-005 MPA-NRW Erwitte
	<b>HERADESIGN® micro</b> Thickness: 25 mm	Wooden battens 60x30 mm	Auflage 2 x 50 mm Gross density: 90 kg/m <sup>3</sup>	<b>EI 30</b> (a-b)	No. 3729/371/10 MPA Braunschweig D	P-MPA-E-16-006 MPA-NRW Erwitte

## Standard flank noise level difference as per DIN EN ISO 10848-2:2006

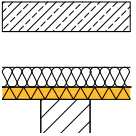
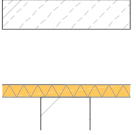
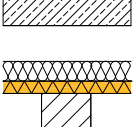
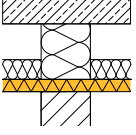
Construction	Description	Classification	Evidence
	<b>HERADESIGN® micro</b> Thickness: 25 mm Einlegemontage im T-Schienensystem Abhängöhe: 400 mm HERADESIGN® Akustikauflage 40 mm (50 kg/m <sup>3</sup> )	Dn,f,w= 50 dB	P-BA 142-2009 Fraunhofer-Institut Stuttgart
	<b>HERADESIGN® micro</b> Thickness: 25 mm Einlegemontage im T-Schienensystem Abhängöhe: 700 mm	Dn,f,w= 32 dB	P-BA 137-2009 Fraunhofer-Institut Stuttgart
	<b>HERADESIGN® micro</b> Thickness: 25 mm Einlegemontage im T-Schienensystem Abhängöhe: 700 mm HERADESIGN® Akustikauflage 40 mm (50kg/m <sup>3</sup> )	Dn,f,w= 43 dB	P-BA 136-2009 Fraunhofer-Institut Stuttgart
	<b>HERADESIGN® micro</b> Thickness: 25 mm Einlegemontage im T-Schienensystem Abhängöhe: 700 mm HERADESIGN® Akustikauflage 40 mm (50 kg/m <sup>3</sup> ) Absorber-Schott im Trennwandbereich	Dn,f,w= 62 dB	P-BA 135-2009 Fraunhofer-Institut Stuttgart

# Overview of test reports

## Fire resistance duration

Construction	Description	Classification	Evidence	Technical data sheet
	HERADESIGN® micro, 25 mm screwed to 30/60 wooden battens and suspended with 2 x 50 mm DP-9 GS lining	EI 30 (a←b)	Test report No. 3729/371/10 MPA Braunschweig, Germany	TM 18/10
	HERADESIGN® micro, 25 mm screwed to CD sections and suspended with 2 x 50 mm DP-9 GS lining	EI 30 (a←b)	Test report No. 3730/372/10 MPA Braunschweig, Germany	TM 19/10
	HERADESIGN® micro, 25 mm screwed to 30/60 wooden battens and suspended with 2 x 25 mm DP-9 GS lining	EI 30 (a←b)	Test report No. 3631/082/10 IMPA Braunschweig, Germany	TM 20/10

## Standard flank noise level difference as per DIN EN ISO 10848-2:2006

Construction	Description	Classification	Evidence	Technical data sheet
	HERADESIGN® micro, 25 mm in T-section system as visible mounting, 400 mm suspended with Heralan DP-5 lining, 40 mm and without absorber panel in the partition wall area	Dn,f,w= 50 dB	P-BA 142-2009 Date:15.12.2010	TM-SA-07
	HERADESIGN® fine, 25 mm in T-section system as inlay mounting, 700 mm suspended without Heralan DP-5 lining and without absorber panel in the partition wall area	Dn,f,w= 32 dB	P-BA 137-2009 Date:15.12.2010	TM-SA-10
	HERADESIGN® fine, 25 mm in T-section system as inlay mounting, 700 mm suspended with Heralan DP-5 lining, 40 mm and without absorber panel in the partition wall area	Dn,f,w= 43 dB	P-BA 136-2009 Date:15.12.2010	TM-SA-09
	HERADESIGN® fine, 25 mm in T-section system as inlay mounting, 700 mm suspended with Heralan DP-5 lining, 40 mm with absorber panel in the partition wall area	Dn,f,w= 62 dB	P-BA 135-2009 Date:15.12.2010	TM-SA-08





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