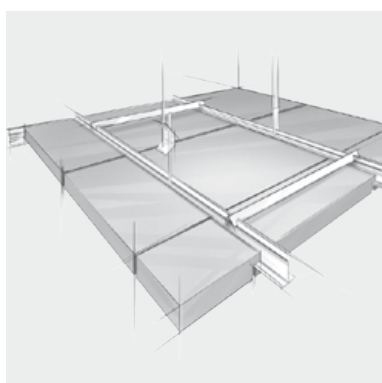
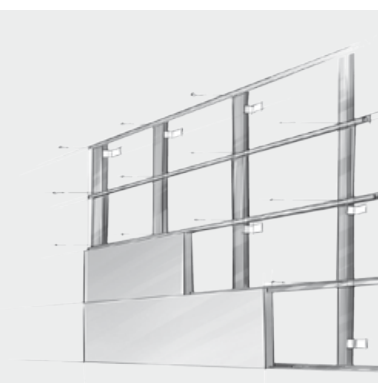
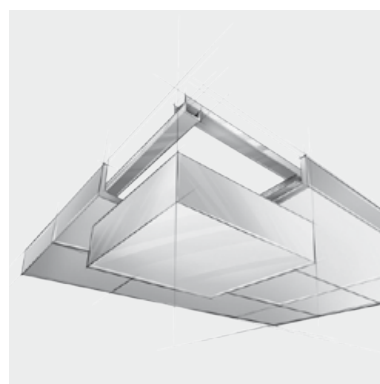
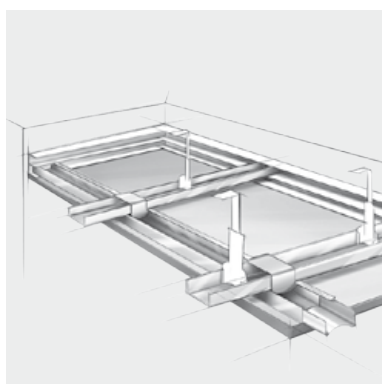
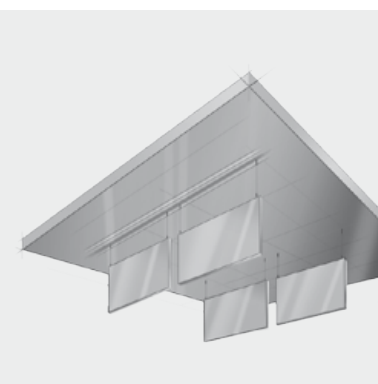




Heradesign®

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 ²]	15,0	19
Sound absorption value α_w up to 0.55		
Reaction to fire according to DIN 13501-1: B-s1, d0		
Designation code: WW-EN 13168-L4-W2-T2-S2-P2-CI3		
Declaration of performance under www.knaufamf-dop.com		

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

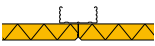

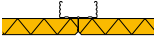

- Deviations in colour from the edge colour and colour perception are possible due to the rough surface of the fibres or the surface of the panel.
- Manufacturing tolerances in nominal dimensions: L4, W2, T2: ± 1 mm, for lengths > 1250 mm L4: ± 2 mm
- A foil (thickness < 30 μ m) is recommended for trickle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




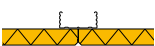


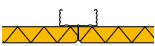
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Overview of test reports

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

Construction	Product	Substructure		Center distance support profile	Hanging	Fastening
	HERADESIGN® micro Thickness : 25 mm Format: 1250 x 625	CD sections 60x27x0,6 mm	Double layer	≤ 625 mm	Nonius hanger	HERADESIGN® screw 9 pcs/panel
	HERADESIGN® micro Thickness : 25 mm Format: 1250 x 625	Wooden battens 60x30 mm	Double layer	≤ 625 mm	Nonius hanger	HERADESIGN® screw 9 pcs/panel
	HERADESIGN® micro Thickness : 35 mm Format: 1250 x 625	CD sections 60x27x0,6 mm	Double layer	≤ 625 mm	Nonius hanger	HERADESIGN® screw 9 pcs/panel
	HERADESIGN® micro Thickness : 35 mm Format: 1250 x 625	Wooden battens 60x30 mm	Double layer	≤ 625 mm	Nonius hanger	HERADESIGN® screw 9 pcs/panel

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

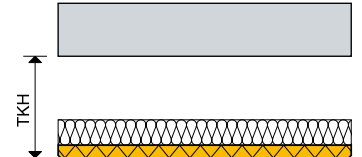
Construction	Product	Substructure		Center distance support profile	Hanging	Fastening
	HERADESIGN® micro Thickness : 25 mm Format: 1250 x 625	Wooden battens 60x30 mm	Double layer	≤ 312,5 mm	Direct hanger	HERADESIGN® screw 9 pcs/panel
	HERADESIGN® micro Thickness : 25 mm Format: 1250 x 625	CD sections 60x27x0,6 mm	Single layer	≤ 312,5 mm	Direct hanger	HERADESIGN® screw 6 Stück / Platte
	HERADESIGN® micro Thickness : 35 mm Format: 1250 x 625	CD sections 60x27x0,6 mm	Double layer	≤ 625 mm	Direct hanger	HERADESIGN® screw 9 pcs/panel
	HERADESIGN® micro Thickness : 35 mm Format: 1250 x 625	Wooden battens 60x30 mm	Double layer	≤ 625 mm	Direct hanger	HERADESIGN® screw 9 pcs/panel
	HERADESIGN® micro Thickness : 35 mm Format: 1250 x 625	CD sections 60x27x0,6 mm	Single layer	≤ 625 mm	Direct hanger	HERADESIGN® screw 9 pcs/panel

Overview of test reports

Sound absorption values

Test specimen					Sound absorption coefficient α																										
Panel type	Thickness [mm]	TKH ¹⁾ [mm]	HERADESIGN® Acoustic lining		Frequencies [Hz], as												Frequencies [Hz], ap					entire range		Class							
			[mm]	Gross density [kg/m³]	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	α_w
without acoustic lining																															
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
with acoustic lining																															
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

¹⁾ TKH: Total construction height: Lower edge of ceiling to lower edge of HERADESIGN® acoustic panel
 NRC value: Average α_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
	HERADESIGN® micro Thickness: 25 mm	CD sectionse 60x27x0,6 mm	Lining 2 x 50 mm Gross density: 90 kg/m³	EI 30 (a–b)	No. 3730/372/10 MPA Braunschweig D	P-MPA-E-16-005 MPA-NRW Erwitte
	HERADESIGN® micro Thickness: 25 mm	Wooden battens 60x30 mm	Lining 2 x 50 mm Gross density: 90 kg/m³	EI 30 (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
	HERADESIGN® micro Thickness: 25 mm inlay mounting T- section system suspension height: 400 mm HERADESIGN® Acoustic lining 40 mm (50 kg/m³)	Dn,f,w= 50 dB	P-BA 142-2009 Fraunhofer-Institut Stuttgart
	HERADESIGN® micro Thickness: 25 mm inlay mounting T- section system suspension height: 700 mm	Dn,f,w= 32 dB	P-BA 137-2009 Fraunhofer-Institut Stuttgart
	HERADESIGN® micro Thickness: 25 mm inlay mounting T- section system suspension height: 700 mm HERADESIGN® Acoustic lining 40 mm (50 kg/m³)	Dn,f,w= 43 dB	P-BA 136-2009 Fraunhofer-Institut Stuttgart
	HERADESIGN® micro Thickness: 25 mm inlay mounting T- section system suspension height: 700 mm HERADESIGN® Acoustic lining 40 mm (50 kg/m³) absorber panel in the partition wall area	Dn,f,w= 62 dB	P-BA 135-2009 Fraunhofer-Institut Stuttgart

