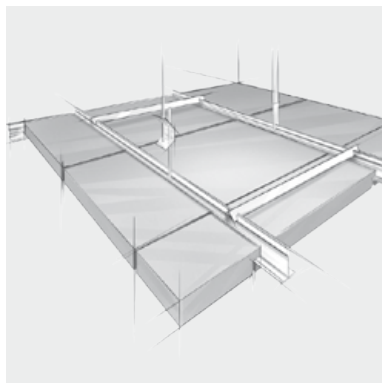
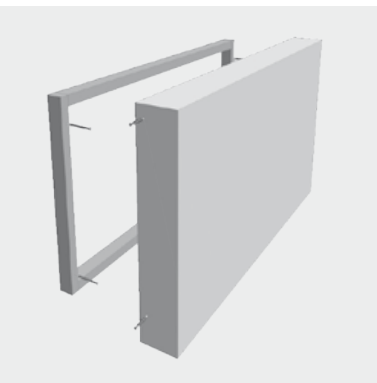
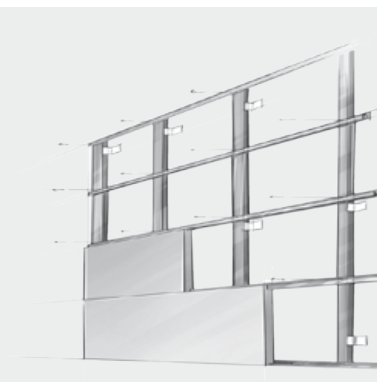
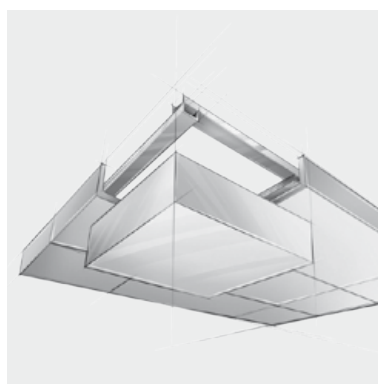
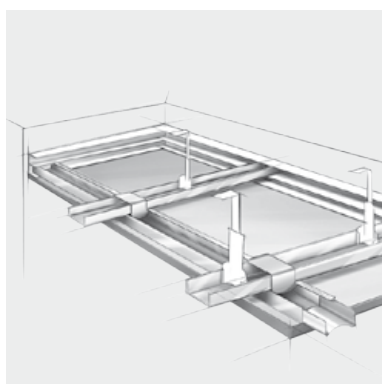
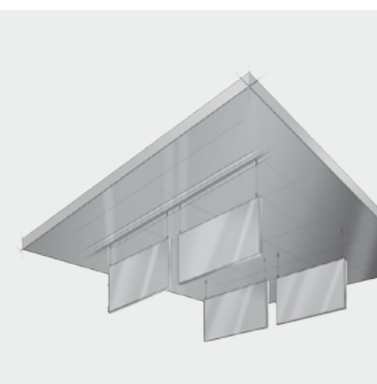




Heradesign®

Product data

HERADESIGN® plano



Product data

HERADESIGN® plano

Single layer layer magnesite-bonded wood wool acoustic panel with closed surface, 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, NCS, BS or StoColor may be selected!

Nominal dimensions [mm]	600 x 600, 1200 x 600
Thickness [mm]	25
Weight [kg/m²]	15.0
Sound absorption value α_w up to 0.35	
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	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 600 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 $< 30 \mu\text{m}$) is recommended for trickle protection for mineral wool linings.
- Max. changes in dimension in standard climate $23^\circ \text{C}/50\%$ rel. humidity: $\pm 1\%$



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. Only defect-free products may be installed. No liability will be accepted for the assembly of defective products or for the resulting costs (delay in delivery, remediation of defects). All data are included without warranty. Version 01/2021 - 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	Hanging	Fastening
	HERADESIGN® plano Thickness : 25 mm Format: 1200 x 600	CD sections 60x27x0,6 mm	Double layer	≤ 600 mm	Nonius hanger	HERADESIGN® screw 9 pcs/panel

Sound absorption values

Test specimen					Sound absorption coefficient α																											
Panel type	Thickness [mm]	TKH ¹⁾ [mm]	HERADESIGN® Acoustic lining		Frequencies [Hz], α_s																Frequencies [Hz], α_p						entire range		Class			
			[mm]	Gross density [kg/m ²]	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® plano	25	25	0	---	0,16	0,20	0,25	0,38	0,42	0,44	0,41	0,38	0,35	0,29	0,28	0,27	0,27	0,27	0,29	0,31	0,36	0,42	0,20	0,40	0,40	0,30	0,30	0,35	0,35	0,35 (L)	D	
HERADESIGN® plano	25	55	0	---	0,12	0,15	0,16	0,29	0,31	0,37	0,41	0,39	0,38	0,37	0,32	0,28	0,26	0,23	0,23	0,24	0,26	0,29	0,30	0,40	0,35	0,30	0,25	0,30	0,35	0,30 (L)	D	
HERADESIGN® plano	25	330	0	---	0,41	0,39	0,31	0,34	0,34	0,34	0,32	0,29	0,28	0,28	0,29	0,28	0,27	0,27	0,27	0,26	0,26	0,29	0,35	0,35	0,30	0,30	0,25	0,25	0,3	0,30 (L)	D	
with acoustic lining																																
HERADESIGN® plano	25	85	50	50	0,50	0,37	0,39	0,34	0,33	0,29	0,30	0,27	0,25	0,24	0,24	0,25	0,25	0,27	0,27	0,27	0,35	0,32	0,40	0,30	0,25	0,25	0,25	0,30	0,25	0,25 (L)	E	
HERADESIGN® plano	25	125	60	50	0,31	0,28	0,27	0,29	0,27	0,27	0,25	0,23	0,22	0,22	0,22	0,22	0,22	0,23	0,25	0,21	0,24	0,24	0,30	0,30	0,25	0,20	0,25	0,30	0,30	0,25 (L)	E	
HERADESIGN® plano	25	200	40	50	0,26	0,48	0,40	0,35	0,31	0,29	0,30	0,29	0,27	0,29	0,26	0,25	0,26	0,28	0,28	0,31	0,33	0,29	0,40	0,30	0,30	0,25	0,25	0,30	0,30	0,30	D	

¹⁾ TKH: Total construction height: Lower edge of ceiling to lower edge of HERADESIGN® acoustic panel
NRC value: Average α_s over the frequencies (250 + 500 + 1000 + 2000):4, rounded to the next increment 0.05

