

**Heradesign.**

for good architecture


# Heradesign<sup>®</sup> *plano* Product Data & Certificates

## Heradesign® *plano*

**1-layer** magnesite bonded wood wool acoustic panel with closed surface, 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	25
Weight kg/m <sup>2</sup>	15,0
Sound absorption value $\alpha_W$ up to 0.35	
Reaction to fire acc. to EN 13501-1: <b>B-s1, d0</b>	
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:  $\pm 1$  mm, for lengths  $> 1200$  mm L3:  $\pm 2$  mm.
- A film (thickness  $< 30$   $\mu$ m) is recommended as trickle protection for mineral wool linings.
- Maximum dimensional changes in a standard climate of 23°C/50% rel. humidity is  $\pm 1$  %.

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

## Sound absorption values

Test specimen					Certificate			Sound absorption coefficient $\alpha$								
Panel type	Thick- ness (mm)	TCH <sup>1)</sup> (mm)	Back- filling (mm)	Type <sup>2)</sup>	Test Institute/ Country	No.	Date	Frequencies (Hz) , $\alpha_p$						Full range		Class
								125	250	500	1000	2000	4000	NRC <sup>3)</sup>	$\alpha_w$	
without backfilling																
Heradesign <i>plano</i>	25	25	0	---	SRL/UK	6024	15.03.10	0.20	0.40	0.40	0.30	0.30	0.35	0.35	0.35 (L)	D
Heradesign <i>plano</i>	25	25	0	---	TGM/Vienna	TM TGM 10548_04	04.07.02	0.15	0.30	0.40	0.30	0.25	0.30		0.30	D
Heradesign <i>plano</i>	25	55	0	---	TGM/Vienna	TM TGM 10548_05	04.07.02	0.30	0.40	0.35	0.30	0.25	0.30		0.30 (L)	D
Heradesign <i>plano</i>	25	125	0	---	Fraunhofer **	P-BA 117/2009	15.12.09	0.25	0.30	0.25	0.20	0.20	0.20		0.25 (L)	E
Heradesign <i>plano</i>	25	330	0	---	TGM/Vienna	TM TGM 10548_02	04.07.02	0.35	0.35	0.30	0.30	0.25	0.25		0.30 (L)	D
with mineral wool																
Heradesign <i>plano</i>	25	55	30	DP-3	TGM/Vienna	TM TGM 10548_03	04.07.02	0.40	0.40	0.35	0.25	0.25	0.25		0.30 (L)	D
Heradesign <i>plano</i>	25	85	50	DP-5	TGM/Vienna	TM TGM 11233_06	15.12.08	0.40	0.30	0.25	0.25	0.25	0.30		0.25 (L)	E
Heradesign <i>plano</i>	25	200	40	DP-5	SRL/UK	6033	15.03.10	0.40	0.30	0.30	0.25	0.25	0.30	0.30	0.30	D
Heradesign <i>plano</i>	25	330	40	DP-3	TGM/Vienna	TM TGM 10548_01	04.07.02	0.40	0.35	0.30	0.30	0.25	0.25		0.30 (L)	D
Heradesign <i>plano</i>	25	125	60	DP-5	Fraunhofer **	P-BA 119/2009	15.12.09	0.30	0.30	0.25	0.20	0.25	0.30	0.30	0.25 (L)	E

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

2) Type: DP-3: gross density = 30 kg/m<sup>3</sup>

DP-5: gross density = 50 kg/m<sup>3</sup>

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

\*\* Fraunhofer IBP / Stuttgart



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

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for good architecture

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