

**Heradesign.**

for good architecture


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

## Heradesign® *plano plus*

**2-layer** acoustic panel as a composite product consisting of Heradesign plano and mineral wool absorber with trickle protection.

### 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	1200 x 600	
Total thickness mm	50	65
Composition	25/25	25/40
Edge design	AK-01 plus	SK-04 plus
Weight kg/m <sup>2</sup>	18.3	19.6
Sound absorption value $\alpha_w$ up to 0.40		
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)20,TR5-CI3		
 EC Conformity Certificate Reg. No.: K1-0751-CPD-209.0-02-01/2011		

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

Screw mounting to wood laths or CD sections 60/27/0.6 mm: edge AK-01 plus. Insertion installation in visible T-24/38 sections: edge SK-04 plus. 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)	TKH <sup>1)</sup> (mm)	Back-Filling (mm)	Typ <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>	$\alpha_w$	
Heradesign <i>plano plus</i>	25	225	25	DP-9	MBBM *	TM M84 565/11	28.01.10	0.45	0.50	0.45	0.35	0.35	0.40	0.45	0.40 (L)	D
Heradesign <i>plano plus</i>	25	225	40	DP-9	MBBM *	TM M84 565/12	28.01.10	0.50	0.50	0.40	0.30	0.30	0.40	0.40	0.35 (L)	D

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

2) Type: DP-9: gross density = 90 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

\* MBBM / Munich



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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