

## Heradesign® *deluxe*

3-layer, magnesite bonded wood wool decorative panel with real wood veneer on HPL on both sides (Micro-perforation: 5/5- 1.3 mm). Closed surface with top acoustic absorption values.

### Product Description Code

**WW-EN 13168-L3-W2-T2-S3-P2-CS(10-Y) 20-TR5-CI3**

### Special Product Features

- 3-layer, acoustically effective decorative product
- wood wool absorber core coated on both sides
- coating = HPL with real wood veneer
- by default, the edge is designed with the veneer and grain
- panel has only one exposed side – back is designed as blind veneer
- coating is perforated

### Scope of Applications

- for covering wall and ceiling surfaces in commercially available, standardised, installation systems for acoustically effective and decorative purposes; installation recommendations and standard edge designs can be requested at [www.heradesign.at](http://www.heradesign.at).

### Sizes (standard)

- 600 x 600, 1200 x 600 mm (pre-cut or fitting pieces possible on request)

### Veneers – Surface (standard)

- choice of 9 standard veneers (fir, maple, American walnut, birch, beech, European oak, European ash, pine, American cherry wood) in shifted wire/half wire.

### Perforation

- linear perforation 5/5 – 1.3 mm with 10 mm perforation-free edge on overleaf
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**Attention:**

- The HPL bases with real wood veneer are wire/half wire shifted as a standard. Irregularities in the growth, swirls, deviations in the grain and colour are natural. For large quantities, you must specify which panels will be installed in the same room or on the same wall because of the veneer colour. One must proceed on the assumption that different veneer sources may be used. The characteristics of natural wood surfaces given here are permissible according to a defined tolerance framework and are not subject to complaints. We recommend sorting the elements before installation! The colour of stained or painted surfaces may deviate from samples prepared in advance. The same also applies to the lustre of the coating.

- manufacturing tolerance of nominal dimensions as per product declaration: length  $\pm 1$  mm, width  $\pm 1$  mm, thickness  $\pm 1$  mm
  - Maximum dimensional changes in a standard climate of 23°C/50% rel. humidity is  $\pm 1\%$
  - max. span is 600 mm
  - For 3-layer Heradesign decorative panels, it is necessary to not exceed relative air humidity of 35 – 65% at 10 - 35°C when working with the panels (processing conditions). High construction humidity can have negative consequences.
  - not suitable for glue mounting.

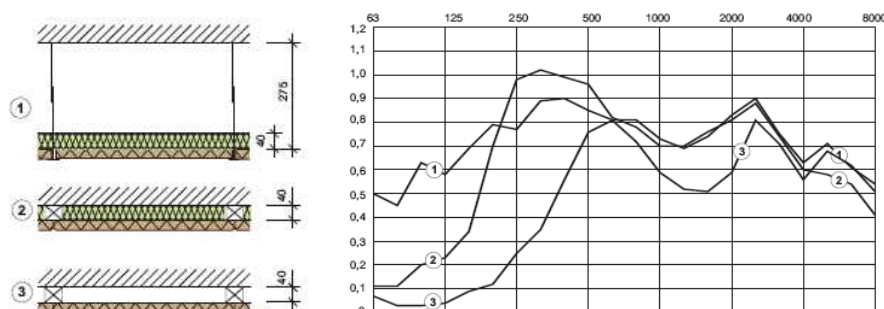
Delivery form

Thickness	[mm]	25.0
Weight	[kg/m <sup>2</sup> ]	approx. 17.5
m <sup>2</sup> /packaging unit for standard format		
600 x 600 mm	[m <sup>2</sup> ]	18.0
1,200 x 600 mm	[m <sup>2</sup> ]	18.0

Degree of sound absorption  $\alpha_p$

Frequency (Hz)	125	250	500	1000	2000	4000	$\alpha_w$	Absorber KI
<b>Herakustik® deluxe, 25 mm</b>								
1. Dist.: 275mm/Heralan AP-GS 40mm	0.58	0.77	0.85	0.73	0.83	0.63	0.80	B
2. Dist.: 40mm/Heralan AP-GS 40mm	0.23	0.98	0.96	0.70	0.81	0.60	0.80 (L)	B
3. Dist.: 40mm	0.04	0.25	0.76	0.59	0.59	0.56	0.55	D

Additional sound absorption values on request



## Technical Data – Product Construction

### 1. Heradesign® Absorber Core

Properties	Symbol	Data	Units	Standard
Reaction to fire	---	A2-s1, d0	[---]	EN 13501-1
Thickness	d	25	[mm]	EN 13168
Nominal value of thermal	$\lambda_D$	0.095	[W/mK]	EN 12667
Thermal resistance	RD	0.25	[m <sup>2</sup> K/W]	EN 13168
Bending resistance <sup>*)</sup>	$\odot_b$	>2200	[kPa]	EN 12089
Diffusion resistance value	$\mu$	5	[---]	EN 12086

<sup>\*)</sup> As per method A of EN 12089

### 2. Coating

- HPL (= High Pressure Laminate) with 0.2 mm real wood veneer
- thickness 0.8 mm
- veneer pattern in shifted wire/half wire
- genuine natural material

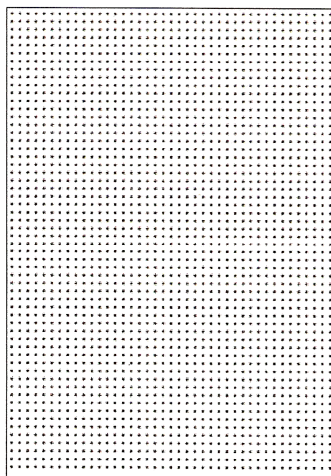
#### Coating Composition:

- overlay for imprinted decorations
- decorative paper
- multi-layer craft paper



### 3. Perforation

- Perforation pattern – linear grid



Open space:  
**5.0%**  
Grid/Perforation:  
**5/5 – 1.3**

### Handling and Storage

The installation of Heradesign® decorative panels is part of interior decorating and must only be carried out under controlled humidity and temperature conditions. All dust-causing construction measures must be completed before starting the installation. Store panels level to plane and protect against moisture and soiling. The packaging doesn't protect the product against rain!

Therefore, these products must be very specifically protected against moisture at the construction site. Absolute dry storage is mandatory. When sorting or laying out the panels, the supplied protective film must always be used between the panels. In this connection, please also observe the possibility of rising damp in new buildings.

Observe the relevant application, installation, and storage guidelines for Heradesign products.

### Planning Service

Heradesign offers a special CAD planning service for the Heradesign® deluxe product. On one hand, this makes exact planning of the ceiling face possible. On the other hand, exact calculation of the order quantity is also possible. With this service, it is also possible to have special fitting pieces produced. You can obtain more detailed information from our technical customer service and at [www.heradesign.at](http://www.heradesign.at).

Distribution is handled via specialised trade.

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