

TECH DATA

Benefits

- Good sound diffusion and absorption to improve room acoustics.
- Design flexibility with various textures, colour options and applications to meet all project requirements.
- Durable against ball impact*, 90% relative humidity and fungal attack.
- Flame and termite resistant.



Heradesign Superfine
Sports centre, Bieruń, Poland

Heradesign is an acoustic wall and ceiling panel made from wood wool sourced from sustainable timber, which is protected and bound together with pure magnesite and water. Heradesign has excellent acoustic performance to diffuse and absorb noise and sound whilst creating aesthetic design flexibility.

Product Range Information

Panel	THICKNESS (mm)	EDGE DETAIL	SURFACE	WEIGHT* (kg/m ²)
600 × 1200	15 [^]	AK-01	Natural - Fine, Natural - Superfine,	8.2 7.8
	25	AK-01, SK-04 [^]	Natural - Fine, Natural - Superfine, Natural - Micro [^]	12.4 11.3 15.0
	35 [^]	AK-01, SK-04, VK-10	Natural - Fine, Natural - Superfine,	16.3 15.0
FIRE HAZARD PROPERTIES	Group 1 material according to the requirements of BCA Section C1.10 Fire Hazard Properties Average Specific Extinction Area < 250 m ² /kg as required by BCA Specification C1.10a, Clause 3(c)			
HAZARDS IDENTIFICATION	Not classified as hazardous according to the criteria of NOHSC Australia			

* Weights indicated are nominal.

[^]None stock items - available to order



Wood Wool

Water

Magnesite

Application

Heradesign is used for internal wall and ceiling applications where an aesthetic and sound absorbing surface is required. It controls sound reverberation and reduces the level of sound in a space.

It is ideal for large open areas in public buildings, aquatic areas and restaurants. It is also suitable for sports facilities as this product also has some ball impact resistance*.

*Research and materials testing institute of Baden-Württemberg, FMPA Stuttgart.

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Performance



Sound

Excellent sound absorption with α_w up to 1.00.



Interior Design

Unique appearance and texture. Available in natural and can be painted to any desired colour.



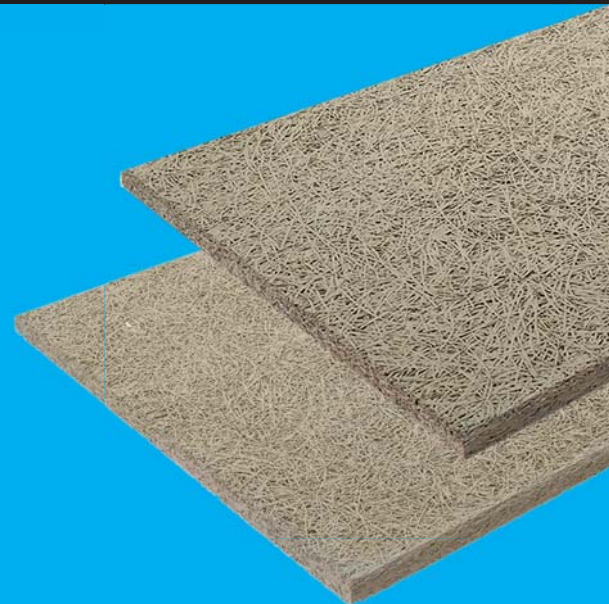
Impact

Tested for ball impact resistance according to DIN 18032, with no damage observed*.



Humidity

Suitable for environments with constant relative humidity of up to 90%.



Top - Heradesign Fine (2mm fibre width)

Bottom - Heradesign Super Fine (1mm fibre width)

Sound Absorption Performance

Frequency (Hz)	125	250	500	1000	2000	4000	α_w	NRC
25mm Heradesign Fine								
175mm cavity without insulation	0.35	0.80	0.65	0.60	0.80	0.90	0.65	0.70
85mm cavity with 50mm EarthWool 22 kg/m ³	0.40	0.90	0.90	0.70	0.80	0.80	0.80	
200mm cavity with 50mm EarthWool 22 kg/m ³	0.60	1.00	0.90	0.75	0.85	0.90	0.85	0.80
25mm Heradesign Superfine								
175mm cavity without insulation	0.25	0.65	0.70	0.60	0.75	0.90	0.70	0.70
60mm cavity with 50mm EarthWool 22 kg/m ³	0.35	0.90	0.95	0.85	0.90	0.90	0.90	0.90
275mm cavity with 50mm EarthWool 22 kg/m ³	0.70	0.90	0.90	0.90	0.80	0.95	0.90	0.90

Installation

Heradesign is installed via screw fixing either to timber or suspended metal framing. It can also be installed in an exposed grid system or direct to concrete with different edge types and size combinations.

The use of Heradesign screws will assist in easier installation. Depending on the panel size and thickness at least two screws per panel width and three

screws per panel length are required.

Painting

Heradesign can be painted on site. This product should only be spray painted. This ensures a uniform consistency over the entire surface. Deviations in colour tone and colour perception may occur due to the rough fibre and panel surface.

**Research and materials testing institute of Baden-Württemberg, FMPA Stuttgart.*

Warranty

Knauf's products are guaranteed by a 10 Year Warranty.

For details visit

knaufplasterboard.com.au
knaufplasterboard.co.nz

Technical Advice

For technical advice, please call

AU **1300 724 505**

NZ **0800 884 326**