

# Heraklith® A2 Decorative Panel

August 2024

**Build on us.**

## Description

Heraklith® A2 Decorative Panel is a cement-bonded wood wool panel, specifically developed for the acoustic performance and decorative finish of walls and ceilings.

It is non-combustible with a Euroclass A2-s1,d0 reaction to fire classification, and can provide a fire resistance of up to 60 minutes when installed in a richter grid ceiling system or clad onto concrete soffits.

## Benefits

- › Available as standard in nature tone, or in any RAL colour upon request.
- › Aesthetically pleasing; finished with bevelled edges.
- › Provides thermal, fire safety and acoustic performance.
- › Fixings available to match.



NON-COMBUSTIBLE  
INSULATION

# Heraklith® A2 Decorative Panel

## Technical Specifications

### HERAKLITH® A2 DECORATIVE PANEL

Thickness (mm)	R <sub>D</sub> (m <sup>2</sup> K/W)	Weight (kg/m <sup>2</sup> )	Length (mm)	Width (mm)	Panels Per Pallet	Pallet (m <sup>2</sup> )	Pallet product code
25	0.30	17.50	1200	600	40	28.80	664028

All dimensions are nominal.

### SOUND ABSORPTION COEFFICIENT

Panel type	Frequency (Hz)	125	250	500	1000	2000	4000	Alpha w	NRC *	Absorption Class	Report Number
1. Concrete 2. Heraklith® A2 Decorative Panel [2mm], 25mm	α <sub>S</sub> (1/1 octave)	0.06	0.13	0.27	0.63	0.91	0.66	<b>0.35</b>	0.50	0.50	A 2518-3-RA-001
1. Concrete 2. Cavity, 175mm 3. Heraklith® A2 Decorative Panel [2mm], 25mm	α <sub>S</sub> (1/1 octave)	0.21	0.56	0.65	0.52	0.65	0.82	<b>0.60</b>	0.60	0.59	A 2828-2E-RA001
1. Concrete 2. Cavity, 135mm 3. Heraklith® A2 Decorative Panel, 40mm 4. Heraklith® [2mm], 25mm	α <sub>S</sub> (1/1 octave)	0.44	0.87	0.27	0.90	0.84	0.95	<b>0.90</b>	0.85	0.88	A 2828-2E-RA001

Sound absorption tests have been executed in accordance with ISO 11654/ ASTM-C423

\* Noise Reduction Coefficient

# Heraklith® A2 Decorative Panel

## Performance

THERMAL (W/mK)

0.085

Wood Wool

FIRE CLASSIFICATION

A1	<b>A2-s1,d0</b>	B	C	D	E	F
----	-----------------	---	---	---	---	---

Euroclass reaction to fire classification

SOUND ABSORPTION

Alpha w: max 0.90

## Applications



Structural soffit floors



Internal walls



Internal Ceilings

## Typical Build-Up



## Certification, accreditations and industry standards



# Heraklith® A2 Decorative Panel

## Application

Heraklith® A2 Decorative Panel is specifically developed for the acoustic absorption and decorative finish of walls and ceilings.

Heraklith® A2 Decorative Panel is non-combustible with a Euroclass A2-s1, d0 reaction to fire classification.

## Standards and certification

Heraklith® A2 Decorative Panel is manufactured in accordance with EN 13168:2012+A1WW-EN 13168-L2-W1-T1-S2-P2-CS (10/Y)200-CL3, ISO 50001 Energy Management Systems, ISO 14001 Environmental Management Systems, ISO 45001 Occupational Health and Safety Management Systems and ISO 9001 Quality Management Systems.

## System Testing

Knauf Insulation maintains declared product characteristics and qualities which are defined in detail in its Declaration of Performances (DoPs) and product literature. The product literature also includes information relating to Knauf Insulation's requirements and recommendations for installation of its products when being used as part of a system. Any party using, or planning to use, our products in a system (with or without system testing) where performance may be dependent on product characteristics not declared on our DoPs or our product literature, must contact our Technical Services Team.

Knauf Insulation will not accept liability for any failure in system performance due to product characteristics not declared on DoPs or product literature, or not agreed in a Service Level Agreement. In such an event, any warranty given in relation to those products will be invalidated.

## Aesthetics

Heraklith® A2 Decorative Panel is manufactured to a smooth finish and is available as standard in a nature tone colour with bevelled edges. Heraklith® A2 Decorative Panel can be supplied in any RAL colour upon request and the panels can also be painted on site after installation with a water-based silicate spray paint.

## Durability & Fitness for Use

Heraklith® A2 Decorative Panel is odourless, rot proof, non-hygroscopic, don't sustain vermin and will not encourage the growth of fungi, mould or bacteria. The product will have a life equivalent to that of the structures in which it is incorporated.

## Sustainability

The overall environmental performance of our products is reported in their EPDs (Environmental Product Declarations), in accordance to ISO 14025, ISO 21930, EN 15804 +A2. EPDs are available to download on our website for relevant products.

## Handling & Storage

Heraklith® A2 Decorative Panel should be stored properly and handled in such a way as to ensure that the product remains clean and undamaged.

The shrink-wrapped pallets used for the supply of Heraklith® A2 Decorative Panel are designed for short-term protection only. For longer term protection on site, the product should either be stored indoors or under cover and off the ground. Heraklith® A2 Decorative Panel should not be left permanently exposed to the elements.

If the main hood is removed or damaged, the panels should be kept under cover indoors or protected from the elements by a weatherproof cover. In coastal locations where weather is more extreme and bird damage is more common, use additional covering or store indoors.

The product must be protected from prolonged exposure to sunlight, and stored dry and flat.

Heraklith® A2 Decorative Panel is easy to handle; care should be exercised to avoid crushing its edges or corners. If damaged, the product should be discarded. Damaged, contaminated or wet products must not be used.

During construction exposed areas of panels should always be covered at the end of a day's work or in heavy rain. Polyethylene covers should be used to provide protection and prevent work from becoming saturated.

## Knauf Insulation Ltd

Stafford Road, St.Helens, Merseyside, WA10 3LZ Customer Service: 01744 766 766

*All rights reserved, including those of photomechanical reproduction and storage in electronic media. Extreme caution was observed when putting together and processing the information, text and illustrations in this document. Nevertheless, errors cannot be completely ruled out. The publisher and editors cannot assume legal responsibility or any liability for incorrect information and consequences thereof. The publisher and editors will be grateful for improvement suggestions and details of possible errors pointed out. For the most up-to-date document versions and product information, please always refer to our website.*