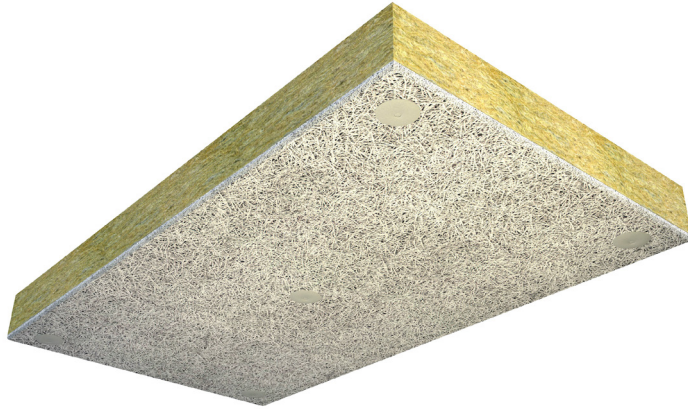


HERAKLITH® TEKTALAN A2 SMARTTEC

February 2023



DESCRIPTION

Heraklith® Tektalan A2 SmartTec panels are cement-bonded wood wool panels combined with a rock mineral wool insulation slab, used for the thermal & acoustic performance and the decorative finish of walls and ceilings.

They are non-combustible with a Euroclass A2,s1-d0 reaction to fire classification and can provide a fire resistance of up to 180 minutes to concrete floors covered with the product.

PERFORMANCE

Thermal resistance

R_D : 6.40W/mK (225mm)

Fire

Classification: Euroclass A2-s1,d0 to BS EN 13501-1

Sound absorption

Alpha w: max. 1.00

DoP

W4302GPCPR (www.dopki.com)

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
- ✓ Quick installation on site as only 2 fixings required per panel (where the overall board thickness is greater than 100mm).*

* If fire resistance is required, 5 fixings need to be used

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



HERAKLITH® TEKTALAN A2 SMARTTEC

February 2023

SPECIFICATIONS

Thickness (mm)	Composition mm (HW/SW)	R _p (m ² K/W)	Weight (kg/m ²)	Length (mm)	Width (mm)	Panels Per Pallet	Pallet (m ²)	Options
225	10/215	6.40	28.50	1000	600	5	3.00	Fibre Width 1.0mm
200	10/190	5.65	25.00	1000	600	5	3.00	Colour Any colour
175	10/165	4.95	22.50	1000	600	6	3.60	
150	10/140	4.20	20.00	1000	600	7	4.20	
125	10/115	3.45	17.50	1000	600	8	4.80	
100	10/90	2.75	16.00	1000	600	11	6.60	
75	10/65	2.00	13.00	1000	600	14	8.40	
50	10/40	1.25	11.50	1000	600	22	13.20	

SOUND ABSORPTION COEFFICIENT*

Panel type	Frequency (Hz)	125	250	500	1000	2000	4000	Alpha w	NRC **	Absorption Class
Heraklith® Tektalan A2 SmartTec [2mm], 50mm	α _s (1/1 octave)	0.20	0.70	1.00	1.00	0.80	0.60	0.80	0.90	0.89
Heraklith® Tektalan A2 SmartTec [1mm], 50mm	α _s (1/1 octave)	0.25	0.75	1.00	1.00	0.95	0.80	0.95	0.95	0.94

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

* Mounted directly to concrete

** Noise Reduction Coefficient

HERAKLITH® TEKTALAN A2 SMARTTEC

February 2023

ADDITIONAL INFORMATION

Durability

The product will have a life equivalent to that of the structure in which it is incorporated.

Application

Heraklith® Tektalan A2 SmartTec panels are used specifically developed for the thermal insulation, acoustic performance and decorative finish of walls and ceilings. Heraklith® Tektalan A2 SmartTec panels are non-combustible with a Euroclass A2, s1-d0 reaction to fire classification.

Aesthetics

Heraklith® Tektalan A2 SmartTec panels are manufactured as standard in a nature tone colour and beveled all round.

Standards and Certification

The rock mineral wool element of Heraklith® Tektalan A2 SmartTec is manufactured in accordance with BS EN 13162, ISO 50001. The wood wool element is manufactured in accordance with EN 13168:2012+A1WW-EN 13168-L2-W1-T1-S2-P2-CS(10/Y)200-Cl3, Energy Management Systems, ISO 14001 Environmental Management Systems, and ISO 9001 Quality Management Systems.

Environmental

For further environmental information consult the relevant Environmental Product Declaration, available on our website.

Handling and storage

Heraklith® Tektalan A2 SmartTec is easy to handle and install. Heraklith® Tektalan A2 SmartTec is supplied loose on a hood wrapped pallet and should be stored indoors at all times.

Knauf Insulation Ltd

PO Box 10, Stafford Road, St.Helens, Merseyside, WA10 3NS. UK

Customer Service: 01744 766 766 Technical Support Team: 01744 766 666

All rights reserved, including those of photomechanical reproduction and storage in electronic media. Extreme caution was observed when putting together and processing the information, texts and illustrations in this document. Nevertheless, errors cannot quite be ruled out. The publisher and editors cannot assume legal responsibility or any liability whatsoever for incorrect information and the consequences thereof. The publisher and editors will be grateful for improvement suggestions and details of possible errors pointed out.

KINE4791DAT-V0223

challenge.
create.
care.