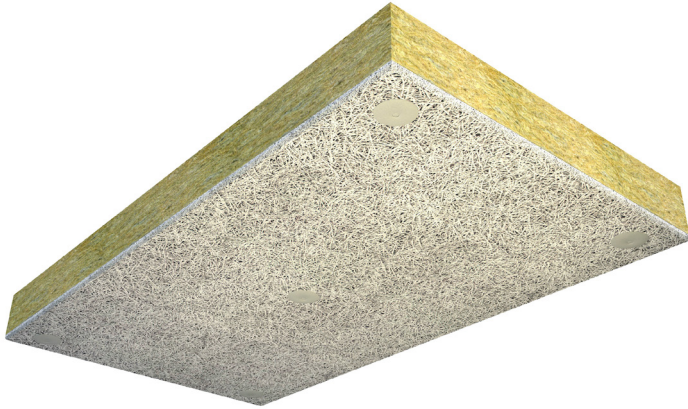


HERAKLITH® TEKTALAN A2 SMARTTEC

January 2023



DESCRIPTION

Heraklith® Tektalan A2 SmartTec panels are rock mineral wool boards with an additional cement bonded wood wool layer that can be used for the acoustic performance and 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

- ✓ Quick installation on site as only 2 fixings required per panel (where the board thickness is greater than 100mm). If fire resistance is required, 5 fixings need to be used
- ✓ Aesthetically pleasing; finished with a nature tone colour spray and bevelled edges
- ✓ Available in various RAL colours upon request
- ✓ Provides thermal, fire safety and acoustic performance

CERTIFICATIONS, CLASSIFICATIONS AND INDUSTRY STANDARDS



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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 White (RAL 9003) or RAL |
| 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

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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 an A2, s1-d0 Euroclass reaction to fire classification.

Aesthetics

Heraklith® Tektalan A2 SmartTec panels are manufactured as standard in a Nature Tone colour spray 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

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