

TEKTALAN A2

International code: Tektalan A2-E-31-035/2 - Tektalan A2-035/2

DESCRIPTION




Heraklith® | Tektalan A2 combines wood wool with a rock mineral wool insulation. This panel combines excellent fire-resistant properties with outstanding thermal and acoustic performance. Comprehensive international fire testing has shown that structures using Tektalan A2 panels achieve a fire-resistance of 180 minutes*. Tektalan A2 works as a heat shield, ensuring the integrity of the structure for a longer period in the event of a fire.



STANDARD VERSION

The Heraklith® Tektalan A2 is produced with 100% FSC certified wood and a fibre width of 2 mm as standard. The panels are factory finished with a nature tone colour spray and beveled all round.

PERFORMANCE

 Fire classification A2-s1, d0 ★★★★★	 Sound absorption $\alpha_w \geq 0.75$ (50 mm) ★★★★★	 Thermal resistance $R_D = 6.40$ (225 mm) ★★★★★☆
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* Provided they are treated in accordance with Classification Report no. 18203 / 18204 in accordance with European norm EN 1365-2 / EN 13501-2

ADVANTAGES

- ✓ Rock mineral wool at the back provided with glass veil: easy to process and less risk of damage
- ✓ Excellent fire-resistant properties (180 minutes)
- ✓ A2 fire rating, no drop formation and low smoke emissions when burning
- ✓ Outstanding sound absorption properties
- ✓ Moisture resistant and mould repellent
- ✓ Aesthetic finishing and insulation in one panel

SPECIFICATIONS

Panel thickness (T) (mm)	Composition mm [HW/SW]	R _D (m ² .K/W)	Weight (kg/m ²)	Length (L) (mm)	Width (W) (mm)	Panels/pallet	Pallet (m ²)
50	10/40	1.25	11.0	1000	600	22	13.20
75	10/65	2.00	14.0	1000	600	14	8.40
100	10/90	2.75	17.0	1000	600	11	6.60
125	10/115	3.50	19.5	1000	600	8	4.80
150	10/140	4.20	22.5	1000	600	7	4.20
175	10/165	4.95	25.0	1000	600	6	3.60
200	10/190	5.70	28.5	1000	600	5	3.00
225	10/215	6.40	31.0	1000	600	5	3.00

Options

Finishing	10 mm	Colour	White (RAL 9003) or RAL
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CERTIFICATIONS



Always process our Heraklith wood wool panels according to our processing instructions. These can be found on www.heraklith.co.uk/processinginstructions



www.heraklith.co.uk

Wood Wool Panel in accordance with EN 13168:2012+A1
WW-C2-EN 13168-L2-W1-T1-S2-P1-CS(10/Y)30-TR7,5-CI1

TECHNICAL INFORMATION

Properties	Symbol	Description					Unit	Norm
Fire rating	-	A2-s1,d0*					-	EN 13501-1
Fire resistance	-	REI 180 (If treated in accordance with Classification Report no. 18203/18204)					-	EN 13501-2
Thermal conductivity coefficient	λ	Wood wool: 0.085 / RMW : 0.034					[W/mK]	EN 12667
Compressive strength	σ_m	≥ 30					[kPa]	EN 826
Tensile strength perpendicular to surface	σ_m	≥ 7.5					[kPa]	EN 1607
Chloride concentration	C	CI1					-	EN 13168
Tolerances	-	Thickness (T1)	Length (L2)	Width (W1)	Squareness (S2)	Flatness (P1)	[mm]	EN 13168
		[D \leq 100] +3/-2	+3/-5	± 3	≤ 2	≤ 6		
DoP-code	W4302CPCPR (www.dopki.com)							

* Mounted directly to concrete

SOUND ABSORPTION COEFFICIENT*

Panel type	F(Hz)	125	250	500	1000	2000	4000	α_w	NRC	SAA	Report number
Tektalan A2 [2mm], 50mm	α_s (1/1 octave)	0.25	0.80	1.00	1.00	0.95	0.80	0.95	0.95	0.95	M104343/02
Tektalan A2 [2mm], 75mm	α_s (1/1 octave)	0.55	0.90	1.00	1.00	0.95	0.80	0.95	0.95	0.96	M104343/02
Tektalan A2 [2mm], 100mm	α_s (1/1 octave)	0.70	0.80	0.95	1.00	1.00	0.85	1.00	0.90	0.93	M104343/02
Tektalan A2 [2mm], 125mm	α_s (1/1 octave)	0.70	0.80	0.95	1.00	1.00	0.90	1.00	0.90	0.93	M104343/02
Tektalan A2 [1mm], 50mm	α_s (1/1 octave)	0.40	0.65	0.75	0.75	0.75	0.85	0.75	0.70	0.73	M104343/03
Tektalan A2 [1mm], 75mm	α_s (1/1 octave)	0.55	0.85	0.95	1.00	1.00	0.95	1.00	0.95	0.97	M104343/03
Tektalan A2 [1mm], 100mm	α_s (1/1 octave)	0.70	0.80	0.95	1.00	1.00	0.95	1.00	0.95	0.96	M104343/03
Tektalan A2 [1mm], 125mm	α_s (1/1 octave)	0.65	0.75	0.95	1.00	1.00	0.95	1.00	0.90	0.93	M104343/03

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

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Do you want more information? Please contact us

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