

TEKTALAN A2

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

Tektalan A2 combines wood wool with a rock mineral wool insulation. This panel combines excellent fire-resistant properties with outstanding thermal and acoustic performance. Extensive international fire tests have shown that solid concrete floors covered with Tektalan A2 panels, can provide 180 minutes of fire resistance*. 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 PEFC 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.

* Provided they are processed against solid concrete according to report 18203 / 18204 in accordance with European norm EN 1365-2 / EN 13501-2


PERFORMANCE

 **Fire classification**
A2-s1, d0



 **Sound absorption**
 α_w 0.80



 **Thermal resistance**
 R_D max. 6.40 (225 mm)



ADVANTAGES

- ✓ Rock mineral wool at the back provided with glass veil: easy to process and less risk of damage
- ✓ Up to 180 minutes fire resistance can be achieved*
- ✓ 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

Thickness (mm)	Composition mm [HW/SW]	R_D (m ² .K/W)	Weight (kg/m ²)	Length (mm)	Width (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

Fibre width	10 mm
Colour	White (RAL 9003) or RAL

CERTIFICATIONS



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



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-Cl3

TECHNICAL INFORMATION

Properties	Symbol	Description					Unit	Norm
Fire class	-	A2-s1,d0*					-	EN 13501-1
Fire resistance	-	REI 120/180 (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	CS	≥ 30					[kPa]	EN 826
Tensile strength perpendicular to surface	TR	≥ 7.5					[kPa]	EN 1607
Chloride concentration	Cl	Cl3					-	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		
Edge finishing insulation	Straight edges							
Edge finishing wood wool	Bevelled							
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), 50 mm	α_s (1/1 octave)	0.30	0.80	1.00	0.95	0.85	0.90	0.95	0.90	0.90	M104343-2
Tektalan A2 (2mm), 75 mm	α_s (1/1 octave)	0.55	0.80	0.80	0.85	0.80	0.80	0.85	0.80	0.83	M104343-4
Tektalan A2 (2mm), 100 mm	α_s (1/1 octave)	0.60	0.70	0.75	0.80	0.75	0.85	0.80	0.75	0.75	M104343-14
Tektalan A2 (2mm), 150 mm	α_s (1/1 octave)	0.60	0.65	0.80	0.85	0.85	1.00	0.85	0.80	0.79	M104343-5
Tektalan A2 (1mm), 50 mm	α_s (1/1 octave)	0.30	0.80	0.95	0.90	0.85	0.90	0.90	0.90	0.89	M104343-6
Tektalan A2 (1mm), 75 mm	α_s (1/1 octave)	0.60	0.90	0.90	0.90	0.85	0.85	0.90	0.90	0.88	M104343-3
Tektalan A2 (1mm), 125 mm	α_s (1/1 octave)	0.55	0.65	0.75	0.80	0.80	0.85	0.80	0.75	0.75	M104343-3

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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