

# 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.

## PERFORMANCE

 **Fire classification**  
A2-s1, d0  
★★★★★

 **Sound absorption**  
 $\alpha_w$  max. 1.00  
★★★★★

 **Thermal resistance**  
 $R_D$  max. 6.40 (225 mm)  
★★★★☆

\* Provided they are processed against solid concrete according to report 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
- ✓ 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 <sup>2</sup> .K/W)	Weight (kg/m <sup>2</sup> )	Length (mm)	Width (mm)	Panels/pallet	Pallet (m <sup>2</sup> )
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](http://heraklith.co.uk/downloads)



[www.heraklith.co.uk](http://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-CI3

## 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	$\lambda$	Wood wool: 0.085 / RMW : 0.034					[W/mK]	EN 12667
Compressive strength	$\sigma_m$	$\geq 30$					[kPa]	EN 826
Tensile strength perpendicular to surface	$\sigma_m$	$\geq 7.5$					[kPa]	EN 1607
Chloride concentration	C	CI3					-	EN 13168
Tolerances	-	Thickness (T1)	Length (L2)	Width (W1)	Squareness (S2)	Flatness (P1)	[mm]	EN 13168
		[D $\leq$ 100] +3/-2	+3/-5	$\pm 3$	$\leq 2$	$\leq 6$		
Edge finishing insulation	Straight edges							
Edge finishing wood wool	Bevelled							
DoP-code	W4302CPCPR ( <a href="http://www.dopki.com">www.dopki.com</a> )							

\* Mounted directly to concrete

## SOUND ABSORPTION COEFFICIENT\*

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

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

\* Mounted directly to concrete

## Do you want more information? Please contact us

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