

# 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

 <b>Fire classification</b> A2-s1, d0 ★★★★★	 <b>Sound absorption</b> $\alpha_w \geq 0.75$ (50 mm) ★★★★★	 <b>Thermal resistance</b> $R_D = 6.40$ (225 mm) ★★★★★☆
--	--	--

\* Provided they are treated in accordance with Classification Report no. 16211B in accordance with European norm EN 1365-2

## 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 <sup>2</sup> .K/W)	Weight (kg/m <sup>2</sup> )	Length (L) (mm)	Width (W) (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

Finishing	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 [www.heraklith.co.uk/processinginstructions](http://www.heraklith.co.uk/processinginstructions)



[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-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	$\lambda$	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	CI1					-	EN 13168
Tolerances	-	Thickness (T1)	Length (L2)	Width (W1)	Squareness (S2)	Flatness (P1)	[mm]	EN 13168
		[D $\leq$ 100] +3/-2	+3/-5	$\pm 3$	$\leq 2$	$\leq 6$		
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

### Knauf Insulation B.V.

PO Box 375  
4900 AJ Oosterhout  
The Netherlands

Tel: + 31 (0)162 - 42 12 45  
e-mail: [info.nl@knaufinsulation.com](mailto:info.nl@knaufinsulation.com)

[www.heraklith.nl](http://www.heraklith.nl)

Our general sales and delivery conditions apply to all our offers, communications and agreements, notwithstanding any provision to the contrary that can be found on our order forms or elsewhere. An overview of our general terms and conditions can be found on: [www.heraklith.co.uk/content/downloads-documents](http://www.heraklith.co.uk/content/downloads-documents). 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 whatever for incorrect information and the consequences thereof.

V1-EN 06/2018

Heraklith® is a registered trademark of

**KNAUF INSULATION**