



# TekPack™ AK100

Phone: 0800 6444 949

Email: [info@thermal-breaks.co.uk](mailto:info@thermal-breaks.co.uk)

## Material Specification (Typical Properties)

Non load bearing.

Non-Structural Thermal Break, offering a cheap option where there is little load applied.



## Availability

Thickness (mm)	Width (mm)	Length (mm)
1	1000	2000
2	1000	2000
3	1000	2000
4	1000	2000
5	1000	2000

## Applications

- Non-Structural thermal break
- Isolating different metals to avoid accelerated corrosion
- Level battens and frames
- Wedge's for window and door units

## Supply Chain Responsibilities

- Thermal Modelling – Architect
- Structural Evaluation – Structural Engineer
- Cost Evaluation – QS
- Installation – Contractor



**Thermal Breaks**

0800 6444 949 [info@thermal-breaks.co.uk](mailto:info@thermal-breaks.co.uk)

## Quotations

The below information is required for quotations

- Pad dimensions
- Thickness
- Number and size of holes
- Quantity
- Delivery Address

	Unit	Value	Test Standard
<b>Mechanical Properties</b>			
Compressive strength at 20°C	MPa	20	
<b>Physical Properties</b>			
Density	g/cm <sup>3</sup>	0.97	
Water Absorption (24h 23°C)	%	0.01	DIN 53495
<b>Electrical Properties</b>			
Electrical strength	kV/mm	>70 DIN	53481
<b>Thermal Properties</b>			
Operating temperature	°C	-40 +80	
Coefficient of linear expansion //	k-1 x 10-4	2	DIN 53752
Thermal conductivity*	W/m.K	0.41	DIN 52612
Flame retardance		HB	UL94
<b>Acoustic Properties</b>			
Velocity	m/s	2430	
Impedance	Rayl/m <sup>2</sup>	2.33	

\*Manufacturers' figures

## RoHS Directive

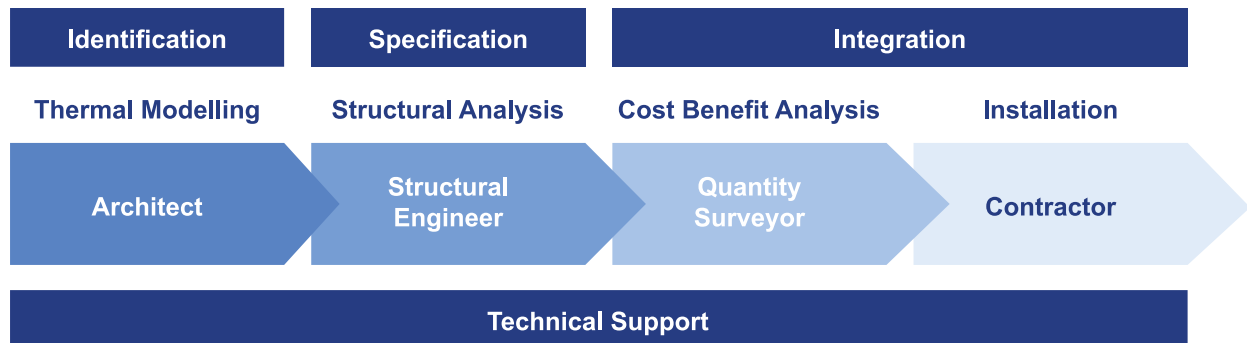
Hazardous products listed in the EU-directive 2011/65/EU (ROHS-directive), §4 section 1, are not used as ingredients in this material.

## Benefits

- Asbestos free
- Low heat conductivity
- Excellent tolerances with respect to parallelism
- Long life expectancy
- Low water absorption
- Good hydrocarbon stability
- Good chemical stability
- Excellent mechanical durability
- Very good electrical properties

## On and Off-Site Support

We are here to discuss your application and assist you in selecting the right thermal break materials to meet your project specification.



Disclaimer. These figures are typical values for the material and do not represent a product specification. Properties will vary depending on source of raw material, method of processing, physical form of product, direction of measurement etc.

Updated 02/04/2020