

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 (")
1.5 (0.059)	1000 (39)	2000 (78)
2 (0.079)	1000 (39)	2000 (78)
3 (0.118)	1000 (39)	2000 (78)
4 (0.157)	1000 (39)	2000 (78)
5 (0.197)	1000 (39)	2000 (78)
6 (0.236)	1000 (39)	2000 (78)
8 (0.314)	1000 (39)	2000 (78)
10 (0.393)	1000 (39)	2000 (78)
12 (0.472)	1000 (39)	2000 (78)
15 (0.59)	1000 (39)	2000 (78)
20 (0.787)	1000 (39)	2000 (78)
25 (1)	1000 (39)	2000 (78)

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

Quotations

The below information is required for quotations

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

Mechanical Properties	Unit	Value	Test Standard
Compressive Strength at 20°C (68°C)	MPa (PSI)	20 (2,900)	
Physical Properties			
Density	g/cm ³ (lbs/ft ³)	0.97 (61)	
Water Absorption 24h 23°C (24h 73°F)	%	0.01	DIN 53495
Thermal Properties			
Operating Temperature	°C (°F)	-40 +80 (-40 +176)	
Coefficient of Linear Expansion //	k-1 x 10-4	2	DIN 53752
Thermal Conductivity*	W/m.K	0.41 (2.84)	DIN 52612
Flame Retardance		HB	UL94
Acoustic Properties			
Velocity	m/s	2430	
Impedance	Rayl/m ²	2.33	

*Manufacturers' figures

RoHS Directive

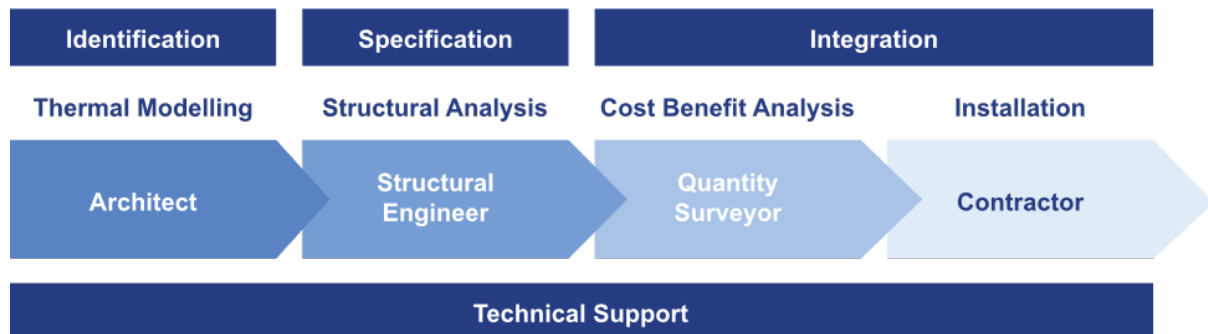
Hazardous products listed in the EU-directive 2011/65/EU (ROHS-directive), §4 section 1, are not used as ingredients in this material.

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.

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