

Material Specification

(Typical Properties)

Low friction slide bearings to allow for movement caused by temperature change, resulting in the expansion and contraction of different materials.

Mechanical Properties	Unit	Value	Test Standard
Compressive Strength at 200°C (392°F)	Kg/cm ² (lbs/ft ²)	≥70 (143,371)	
Physical Properties			
Density*	g/cm ³ (lbs/ft ³)	2.13 (2.18)	ISO 13000-2
Water Absorption 24h 23°C (24h 73°F)	%	0.01	ASTMD621
Thermal Properties			
Operating Temperature*	°C (°F)	-200 +260 (-328 +500)	
Thermal Conductivity*	W/m.K (BTU/Hr/ft ² /in/°F)	0.24 (1.66)	ASTMD621
Flammability*		V-0	UL94

*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 > 50 years (dependent on operating conditions)
- Low water absorption
- Good hydrocarbon stability
- Good chemical stability
- Excellent mechanical durability
- Very good electrical properties
- UL 94-V0

Availability

Thickness mm (")	Width mm (")	Length mm (")
1.5 (0.059)	1200 (47)	1200 (47)
2 (0.079)	1200 (47)	1200 (47)
3 (0.118)	1200 (47)	1200 (47)
4 (0.157)	1200 (47)	1200 (47)
5 (0.197)	1200 (47)	1200 (47)
6 (0.236)	1200 (47)	1200 (47)
8 (0.314)	1200 (47)	1200 (47)
10 (0.393)	1200 (47)	1200 (47)
12 (0.472)	1200 (47)	1200 (47)
15 (0.59)	1200 (47)	1200 (47)
20 (0.787)	1200 (47)	1200 (47)
25 (1)	1200 (47)	1200 (47)

Applications

- Pipelines
- Heat exchangers
- Concrete decks
- Oil & water transportation
- Storage tanks/plants
- Buildings - multi-storey car parks, apartment blocks etc
- Subsea pumping stations
- Pedestrian walkways

Supply Chain Responsibilities

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

Quotations

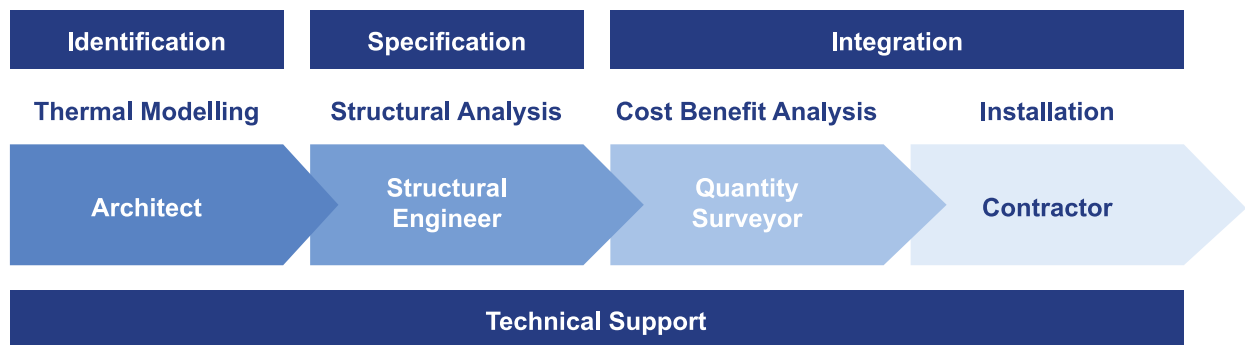
The below information is required for quotations

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

We aim to deliver all orders within 5 working days however we are well versed with industry requirements and therefore will always turn these around in the shortest time possible. Please call us if you have an urgent requirement and we will arrange your order to be expedited.

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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