

Thermatex 850 Paper



Type

Refractory Mineral Fibre Paper

Maximum Continuous Use Temperature

850°C

The maximum continuous use temperature depends on the application. In case of doubt, refer to your local Morgan Thermal Ceramics distributor for advice.

Description

Thermatex 850 Paper is one of a range of Thermal Ceramics refractory fibre papers, and has been developed specifically as an asbestos paper replacement. It is a soft, flexible, clean paper that is pleasant to handle. Standard roll widths include 500mm, 610mm, 1000mm and 1220mm. Alternatively, Thermatex 850 Paper can be supplied die cut to regular or intricate flat shapes to suit specific application requirements.

Thermatex 850 Paper application areas include the primary aluminium industry, non-ferrous foundries and the general domestic appliance market. Additionally, it is ideal for low-pressure seals and gaskets for temperatures up to 850°C.

Thermatex 850 Paper

Main properties		
Classification temperature	°C	850
Typical Physical Properties		
Colour		light green
Density	kg/m ³	180-200
Softening/ melting point	°C	>1000
Tensile strength (longitudinal)	kN/M ²	1.0
(transverse)		0.5
Mean fibre diameter	microns	0.5
Fibre length	mm	Up to 15
Loss on ignition	%	4.5-9.0
Thermal conductivity at mean temperature of:		
100°C	W/m.K	0.040
300°C	W/m.K	0.084
500°C	W/m.K	0.130
Chemical Composition		
Alumina	%	21
Silica	%	40
Iron Oxide	%	6
Calcia & Magnesia	%	25
Others	%	8

Thermal conductivity at mean temperature of:

100°C	W/m.K	0.040
300°C	W/m.K	0.084
500°C	W/m.K	0.130

Acoustic absorption coefficient (BS 3638) – 2.0mm thickness

Frequency (HZ)	Coefficient
100	0.05
2000	0.21
4000	0.40

The values given herein are typical values obtained in accordance with accepted test methods and are subject to normal manufacturing variations. They are supplied as a technical service and are subject to change without notice. Therefore, the data contained herein should not be used for specification purposes. Check with your Thermal Ceramics office to obtain current information.

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