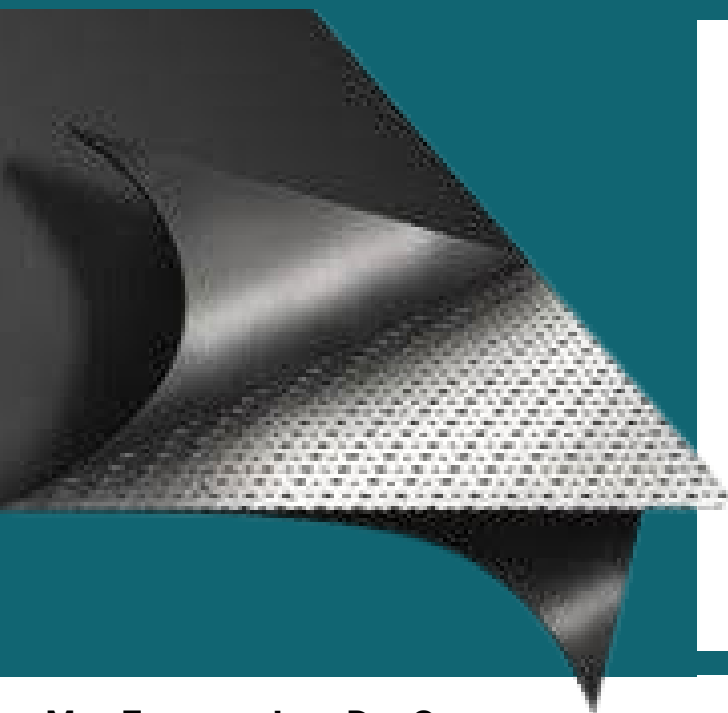


# Specification Sheet



With the banning of Asbestos and the varied performance of Non-Asbestos Fibres against steam, and many vigorous chemicals, Graphite has come to the fore as a premium quality jointing to suit many applications.

Reinforced Graphite is an expanded graphite foil laminate with one or more thin, flat stainless steel layers. It is used for high pressure and temperature conditions. This material finds many applications in both chemical and petrochemical industries. Nickel can replace the stainless steel to give the sheet additional mechanical and chemical properties.

Max Temperature DegC	/	<b>-200 to +500 Oxidising</b>
	/	<b>-200 to +600 Steam</b>
Max Pressure (Bar)	/	<b>140</b>
Density (g/cm <sup>3</sup> )	/	<b>1.1</b>
Ash Content (%)	<b>DIN 51 903</b>	<b>&lt;1</b>
Leachable Chloride Content (ppm)	/	<b>&lt;50</b>
Material of Insertion	<b>DIN/ASTM</b>	<b>1.4401/SS (Flat)</b>
Thickness of Insertion (mm)	/	<b>0.05</b>
Number of Inserts	/	<b>1 or 2</b>
Gas Permeability (cm <sup>2</sup> /min)	/	<b>&lt;0.6</b>
Spec. Leak Pate (mg/s/m)	/	<b>/</b>
Stress Relaxation (mg/s/m)	<b>DIN 52 913</b>	<b>&gt;45</b>
Compressibility (%)	<b>16H/300DEGC</b>	<b>40-50</b>
Recovery (%)	<b>ASTM F 36A-66</b>	<b>15-20</b>
Min. Gasket Assembly Stress (N/mm <sup>2</sup> )	<b>ASTM F 36A-66</b>	<b>10</b>
M	/	<b>1.3</b>
Max. Permissible Gasket Stress (N/mm <sup>2</sup> )	<b>DIN FACTOR</b>	<b>100</b>
Max. Permissible Gasket Stress Under	/	<b>60</b>
Service Conditions (n/mm <sup>2</sup> )	/	<b>2</b>
M	<b>ASTM FACTOR</b>	<b>900</b>
Y (PSI)	<b>ASTM FACTOR</b>	