



TRIMAT GBC BRAKE LINING TECHNICAL SPECIFICATION SHEET

Trimat GBC is a semi-flexible asbestos-free brake lining, manufactured from a solid woven fabric of both natural and man-made yarns, with a brass wire inclusion which helps to stabilise the friction value by conducting from the operating surface.

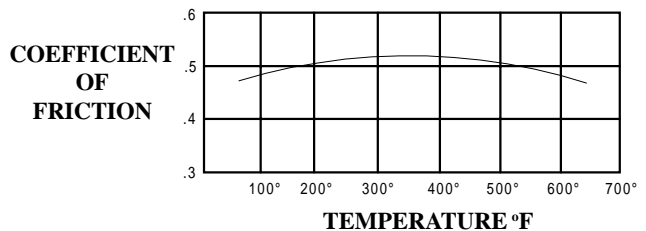
When the woven fabric is impregnated with the specially developed synthetic resin it produces a high friction material with excellent stability and high resistance to wear.

Both surfaces can be supplied ground, making it suitable for bonding and riveting to either internal or external contracting braking systems.

APPLICATIONS

This material can be supplied for use on oil immersed applications, although the friction value will be much lower than shown on the friction/temperature graph which is based on dry conditions.

A most efficient general purpose brake lining suitable for use on most applications, including winches, cranes, earth-moving and agricultural equipment, forging machinery and many others. Because of its versatility it is of course an ideal quality to stock.



NOTE: There is no standard test procedure for industrial Friction Materials, therefore it could be misleading to compare different manufacturers test results. The Co-efficient of Friction/Temperature Graph illustrated, should be used for comparison of the various Trimat qualities only.

TECHNICAL DETAILS (MEAN VALUES)

Ultimate Tensile Strength	4865 psi (340kg/cm ²)	Rivet Holding Capacity	14500 psi (1020kg/cm ²)
Ultimate Shear Strength	2195 psi (155kg/cm ²)	Specific Gravity	1.24
Ultimate Compressive Strength.....	19480 psi (1370kg/cm ²)		

RECOMMENDED OPERATING RANGE

Maximum Intermittent 450° F Maximum Continuous 300° F

RECOMMENDED MATING SURFACES

Close grained cast iron. Forged or cold rolled steel should be 180 Brinnell or over.

DRILLING DETAILS

High speed drills are quite acceptable at the following speeds:

Upto 1/2" diameter 850revs/min with feed rate 0.005"/rev.
Over 1/2" diameter the revs/min should be reduced accordingly.

for example:

At 5/8" diameter 600 revs/min the feed rate 0.005"/rev.

AVAILABILITY

Supplied in roll form, cut and shaped linings.

Nominal Roll Lengths	of 33ft
Thicknesses	from 3/16" up to 1 1/4"
Width	up to 20"