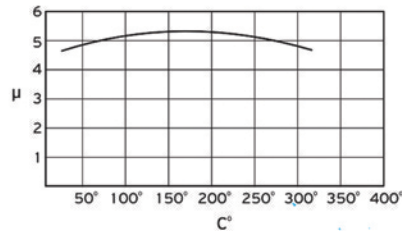




CONDOR BRAKES
PRODUCT DATA SHEET



Material Description

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

When the woven fabric is impregnated with the specially developed synthetic resin it produces a 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.

This material can be supplied for used on oil immersed application, 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 agriculture equipments, forging machinery and many others. Because of its versatility it is of course an ideal quality to stock.

Technical Details

Property	Typical Values
Co-efficient of Friction(dynamic)	0.478
Wear Rate	11.0mm ³ / MJ (0.0018 in ³ /hp.hr)
Specific Gravity	1.25
Rivet Holding Capacity	101.8 N/mm ² (14790 psi)
Ultimate Tensile Strength	35.0 N/mm ² (4930 psi)
Ultimate Shear Strength	27.5 N/mm ² (4017 psi)
Ultimate Compressive Strength	136.0 n/mm ² (19865 psi)

Recommended Operating Range

Maximum Intermittent Temperature	230 C (450 F)
Maximum Continuous Temperature	150 C (300 F)
Pressure	0.07 2.0 N/mm ² (10 290 psi)
Maximum Rubbing Speed	25 m/s (5000 ft/min)

Recommended Mating Surfaces

Closed grained cast iron, forged or cold rolled steel should be 180 Brinnell or over.

Available Sizes

Supplied in roll form
Nominal Roll lengths : 15mtrs
Thickness : 5.0mm (3/16") to 25mm (1")
Width : up to 510mm (20")



The RvA is a signatory to the IAF MLA

This certificate is valid for the following scope:
Manufacture of asbestos free and asbestos industrial brake lining and friction products