



**FOTHERGILL
GROUP**

www.fothergillgroup.com
www.tba-pt.com



**FOTHERGILL
ENGINEERED
FABRICS LTD**



**FOTHERGILL
POLYCOM
LTD**



**FOTHERGILL
COATED
FABRICS LTD**



**FOTHERGILL
AUSTRALIA
PTY LTD**



**TBA
Australia**



**FOTHERGILL
GROUP**

Group Structure



**FOTHERGILL
ENGINEERED
FABRICS LTD**

Woven & coated high
performance
technical fabrics

Site 1 - Rock Nook Mill,
Littleborough, UK
Site 2 - Ealees Mill,
Littleborough, UK



**FOTHERGILL
POLYCOM
LTD**

Industrial & technical
rubber coated fabrics

Victoria Mill, Oldham,
UK



**FOTHERGILL
COATED
FABRICS LTD**

PTFE coated fabrics,
tapes & process
conveyor belts

Rochdale, UK



**FOTHERGILL
AUSTRALIA
PTY LTD**

Technical fabrics,
tapes & process
conveyor belts

Melbourne, Australia



Advanced materials
for demanding
environments

Rochdale, UK



Advanced materials
for demanding
environments, tested
to AUS standards

Sydney, Australia





**FOTHERGILL
GROUP**

Group History



Commenced
cotton weaving

Diversification from
cotton to glass and
other synthetic
yarns begins.
Research unit
established



The beginning of
aramid weaving
& investment in
the fabric
finishing plant at
Ealees Mill

Investment in
Rock Nook Mill.
Re-equipped
with Ruti C
looms

Became
independent once
again as Fothergill
Engineered Fabrics



Introduction of
Fothergill
Coated Fabrics,
specialising in
PTFE coating



Relocation of
Ferguson
Polycom &
name changed
to Fothergill
Polycom



1847 1858 1911 1945 1959 1969 1972 1974 1987 1995 2000 2003 2013 2013 2017 2022

Company
formed by
Thomas
Fothergill &
Alexander
Harvey



Creation of AO
Ferguson at
Windsor Mill.
Specialising in
rubber
compounding &
coating



Commencement
of PTFE coating
of woven fabrics



Commenced carbon
fibre weaving shortly
after the technology
became available from
the RAE



FEF became part of
Courtaulds PLC and
their advanced
materials division



Acquisition of AO
Ferguson, renamed
Ferguson Polycom



Creation of
Fothergill
Australia PTY



Acquisition of TBA
Textiles & TBA
Australia. TBA Textiles
name changed to TBA
Protective
Technologies



**FOTHERGILL
GROUP**

Fothergill Engineered Fabrics



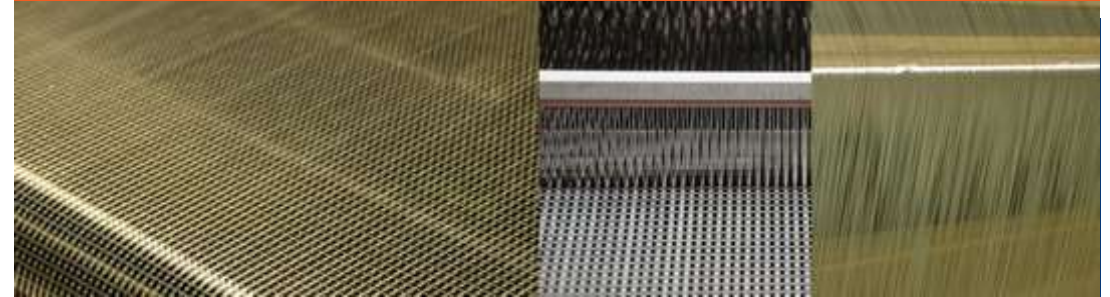
Fothergill Engineered Fabrics Ltd



A leading European-based weaver and knitter of glass, aramid, carbon & PTFE fibres.
Manufacturer of specialist hybrid fabrics also utilising other fibres, such as stainless steel, in our weaves.

Fabrics for:
High temperature applications
PTFE & elastomer coating
Aerospace
Defence
Various industrial applications

Specialist Weaving, Finishing and Coating



Capabilities:
Plying and texturing
Beam preparation and sizing
Beam and creel weaving
Airjet weaving
Shuttle, Rapier and wide
Dornier looms
Pilot weaving facility for sampling
High temperature ovens
Stenter and range finishing lines
Fully equipped laboratory

Yarns:
Glass
Carbon fibre
Aramid
Nylon
PTFE
Polyester
Stainless steel
Hybrid yarns





High Temperature Applications



The range of Fothergill Engineered Fabrics Ltd heat resistant materials covers virtually all thermal insulation and thermal protection applications.

Fire curtains and blankets
Hoses for vehicles
Furnace closures
Catalytic converters
Welding screens
Hot metal/gas filtration
LNG tank insulation

Fabrics for PTFE & Elastomer Coating



Over 35 years' experience producing fabrics especially for the PTFE and elastomer coating industries.

Closed weave
Open mesh fabric styles
Broad range of woven glass and aramid fabric styles



Aerospace, Reinforcement and Composites



We supply a wide range of woven glass, carbon, aramid, nylon, PTFE and polyester into the aerospace, reinforcement and composite industries.

Radomes
Dry bearings
Loudspeaker cones
Propeller blades
F1 racing car bodies
Bike exhausts
X-ray tables
Railway carriage couplings

Defence



Utilising a wide range of fibres including carbon, aramid, nylon, PTFE, polyester and S2 Glass, we supply into Europe's leading non-metallic armour and other defence manufacturers. Fothergill Engineered Fabrics Ltd is Europe's largest weaver of S2 Glass for ballistics.

Ballistic body armour
Armoured vehicles, e.g. Mastiff
Bomb blankets
Flame resistant barrier fabric
Various hard wearing nylon & polyester fabrics



**FOTHERGILL
GROUP**

Fothergill Polycom



**FOTHERGILL
POLYCOM
LTD**

Fothergill Polycom Ltd



Fothergill Polycom Ltd manufacture and supply rubber compounds and rubber coated fabrics from a custom designed facility in Oldham, Lancashire. Coatings are applied to a wide variety of natural or synthetic stable substrates.

Compounding capabilities:

- Banbury & Intermix
- Coloured mills
- Strip & pip strip
- Barwell blanks
- Smaller batch sizes
- Inspection & laboratory

Coating capabilities:

- Direct spread coating
- Friction coating
- Single/double sided
- Rubber bonding
- Lab/sample coater
- Inspection & laboratory

Rubber Coating and Compounding



Typical fabrics coated:

- Glass
- Kevlar®/Aramid
- Nylon
- Cotton
- Polyester
- Acrylic
- Polycotton
- Wool

Rubber coatings & bonding:

- Natural rubber
- Polychloroprene
- SBR
- Nitrile
- Butyl
- EPDM
- Viton
- Hypalon
- Silicone
- Polyurethane



Industrial



The coating and proofing of industrial textiles with rubber has its historical roots in the Manchester area, and Fothergill Polycom Ltd has been heavily involved at the forefront in the development of processes and products since 1911.

Flexible connections
Hoses
Welding curtains
Fire blankets
Mattresses

Fabricated packings
Expansion joints
Moulded seals
Bellows
Chemical protection suits

Fashion & Technical



Fashion & technical coating experts, Fothergill Polycom apply 2 ply butyl, natural rubber and polychloroprene coatings to cotton, nylon, polyester & polycotton for the following end uses:

Diving dry suits
Rain wear
Inflatables
Car hoods

Hand luggage
Camera bags
Military clothing
Military survival suits
Life preserving systems

...and many more



Rubber Compounding



With over 4,000 formulations on file, Fothergill Polycom Ltd is a leading niche manufacturer of rubber compounds and masterbatches to customer specific requirements. On file are a large number of formulations to meet industry standards (e.g. BS, MoD, ASTM, SAE). We can also mix customer-own formulations. Black or coloured compound can be supplied in slab, strip, Barwell blanks or calendered form.

Compounds can be designed for:

- Compression mouldings
- Extrusions
- Injection mouldings
- Calendering
- Coating



**FOTHERGILL
GROUP**

Fothergill Coated Fabrics



Fothergill Coated Fabrics Ltd



The only UK based manufacturing plant coating glass and aramid fabrics with PTFE. Supplying product worldwide in full or slit rolls. Pressure sensitive self-adhesive tapes and fabricated belts and sheets for a variety of applications.

- Baking sheets
- Garment fusing
- Screen printing
- Grinding wheels
- Food industry/drying belts
- Aircraft seals
- Heat sealing

PTFE Coating Specialists



- Coating Tower 1 : 1m wide
- Coating Tower 2: Up to 4m wide
- Coating Tower 3: Dual Width Capability - 2.8m wide
- Coating Tower 4: Double Tower - 3.5m wide
- Adhesive Coating Line
- Slitting Machine
- In House Fabrication Department
- Inspection
- Laboratory





Food Industry



Compliant to EU10/2011 and FDA Regulation 21 CFR 177.1550, FotherBake™ products are used extensively in industrial, commercial and domestic applications.

FotherBake™ products are non-stick, non-toxic, inert, easy to clean and unaffected by microwaves. Our blue FotherBake™ range is particularly popular within food processing because the colour helps highlight any foreign bodies.

Pressure Sensitive Adhesive



PTFE coated glass with pressure sensitive silicone adhesive applied to one side, available with a release liner or as self-wound, supplied between 5mm and 1010mm wide.

Used in applications where ease of positioning and difficulty of application are paramount such as uPVC window welding.



Conveyor Belts & Release Applications



PTFE coated glass and aramid fabrics that offer a vast range of useful physical properties, including low friction, non-stick, excellent release, temperature resistance, inherent strength and flexibility, non-toxic, excellent chemical resistance and outstanding dielectric strength. End uses range from aerospace to abrasives to polymer processing.

Heat Sealing



FCF also supply products for the following heat sealing applications:

- Side sealer belts for polythene packaging
- Mesh belts for heat shrink tunnels
- Release fabrics for uPVC welding platens
- Non-stick fabrics for covering hot wire sealing processes



**FOTHERGILL
GROUP**

Fothergill Australia

**F
A**



**FOTHERGILL
AUSTRALIA
PTY LTD**

Fothergill Australia



Technical Fabrics, Tapes and Process Conveyor Belts
Established in 2013

Serves the Asia Pacific Region

A fabrication and material stocking facility in Melbourne

Offers the Fothergill range of products, many from stock, or on a swift fabrication basis, for quick supply into the region.

Main speciality - supply of PTFE coated fabrics, plain and self-adhesive tapes and process conveyor belts

Compliments the capabilities of Fothergill Coated Fabrics Ltd.



**FOTHERGILL
GROUP**

TBA Protective Technologies



TBA Protective Technologies Ltd



Since 1871, TBA-PT has amassed a wealth of practical wisdom in the successful research, development, manufacture and distribution of high performance specialist materials and products for a diverse range of industrial requirements.

Welding screens
Transport seating fire barriers
Protective clothing
TBA Firefly™ passive fire protection
Marine fire barriers
Fothershield EMI shielding solutions
Bespoke fabricated products

Capabilities



Capabilities:
Friction spinning
Composite yarn production
Non woven production line
Dornier loom weaving
Wet processing unit
Specialist coating line
Fabrication/CMT department

Yarns/Fibres:
Glass
Aramid



TBA Performance division uses woven & non-woven materials that are non-combustible, have very low smoke and toxic fume emission and can also provide anti-vandal properties, making them ideal for use in public transport seating.

We also manufacture aluminised products which are suitable for the protective clothing industry.



With over 140 years of experience in the area of thermal protection, TBA Thermal division develops, manufactures and patents a wide range of protective products, providing tailored solutions for the end-user.

TBA is the original manufacturer of Weldstop and Weldstop Plus – trusted weld screens to the industry.



TBA Firefly™ are an extensive range of premium, flexible, passive fire barriers which are expertly manufactured from woven and non-woven glass. They are used primarily in the construction industry to prevent the passage of fire, smoke and heat through roof voids giving occupants precious extra time to evacuate.

They are certified to BS 476 parts 20/22: 1987.



Forming part of the Firefly™ range of cavity fire barriers within TBA-PT, and specifically designed for the marine industry, Nautilus gives thermal and acoustic insulation properties to vessels of all sizes.

The Nautilus range is fully tested and certified to IMO standards, wheelmarked, and GL approved.



Fothershield provide a total EMI shielding solutions package.

Working with the customer, we will recommend the best products for the application, and be on hand from the design stage through to production.



**FOTHERGILL
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TBA Textiles PTY Ltd



TBA Textiles PTY Limited (TBA PTY) is a wholly owned Australian subsidiary of TBA-PT in the UK.

Supplying into the Australasian markets, TBA PTY offers the full range of TBA-PT products, including a full range of Firefly™ systems which have been re-tested to Australian Standards, and for compliance within the Bush Fire Zones (BAL-FZ).

www.tba-pt.com.au
www.tbafirefly.com.au

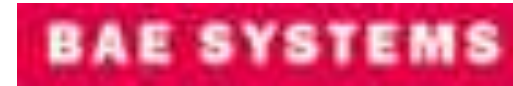


FOTHERGILL
GROUP

Group Customers



Smith+Nephew



Rolls-Royce®



BOSTIK FINDLEY

BURBERRY



TOYOTA



RESPIREX™

Living + Breathing Personal Protection





Why are we ISO 9001:2015 approved?

Being approved to ISO 9001:2015 shows our customers we have an independently assessed Quality Management System which meets a recognised high standard of effectiveness.

Without this approval we would not be able to supply to many of our customers, especially in the defence & aerospace sector.

The standard also helps us to operate in a structured way which drives us to continually improve systems to satisfy our customers' needs.



Goals are achieved by the use of :

Measurable Objectives

Key Performance Indicators (KPI)

Setting targets (Daily Output to Plan monitoring)

Continuous Improvement Process (CIP)

Personal performance management (appraisals)

Customer information (contract review)

Seeking out and developing new technologies

The objective:

To supply superior quality products and services to customers with the ultimate aim of customer satisfaction through excellence.

Key Performance Indicators:

On Time Delivery >95%

Customer Complaints <3 per week

Safety <1 TIR

Absenteeism <3%

Cost of Quality - Internal / External

Machine Utilisation Improvement

Housekeeping - Audits

Maintenance - TPM



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End of presentation