



FLUOROCARBON

Industrial Surface Coatings



World leading innovations in
fluoropolymer processing

Our breadth of experience and technical expertise enables us to offer the right coating solution for chemical or environmental protection, low friction, non-stick and decorative coatings.

Industrial Surface Coatings

Fluorocarbon has been applying specialist industrial surface coatings for over 40 years.

Operating from 2 UK locations in Hertford and Sheffield, our breadth of experience and technical expertise enables us to offer the right coating solution for chemical or environmental corrosion protection, low friction, abrasion resistance, non-stick (release) and decorative coatings. Markets supplied include aerospace, automotive, chemical, electrical & metal fabrication, food, oil & gas and pharmaceutical.

Diverse Range of Processes

As a leading coating provider we offer a diverse range of industrial coatings for metal, plastic, rubber and wood, such as:

Thermosetting plastics

Epoxy/epoxy polyester powder, epoxy resin release coatings, fusion bonded epoxy (FBE) and zinc rich epoxy systems.

Thermoplastics

Nylon, polyethylene, polyurethane and abcite.

Fluoropolymers

PTFE, PFA, FEP, Fluoralon®, Fluoralon® HB, ECTFE, ETFE, PVDF and PEEK.

These are backed by our strong partnerships and full technical support from major suppliers, including:

- DuPont (Teflon®)
- Whitford (Xylan®)
- Solvay (Halar®)
- Arkema (Rilsan®, Kynar®)
- SBS® Bakeware Technologies
- Acheson (Emralon®, Dag®, Molydag®)
- Akzo Nobel (Interpon®, Cromadex®, Resicoat®)
- Weillburger (Greblon®, Senotherm®)

To suit specific customer requirements, other industrial paint systems are available from suppliers, including Trimite, Jotun and Sigma.

Capacity to Suit Your Requirements

Our robotic spray plant and conveyor ovens are capable of high volume production, whilst large and small single batch ovens take care of low volume.

These, together with our team of skilled sprayers for manual applications and our automatic and robotic spray equipment, ensure that we can handle a one-off or 100,000-off economically.

Solution Providers

If you are at the design stage, it is not too soon to consult us. Working with our customers to understand their needs, we recommend the most accurate and cost effective coating to add product value and a distinct competitive advantage.

Our experienced technical team can advise on appropriate materials for your application. If your requirement is out of the ordinary, we can, in many instances, formulate a product for you from our Fluoralon® range.

Fluoralon® HB Coatings

Fluoralon® High Build coatings have been developed to provide the ultimate in chemical protection. The range, based on high performance melt processible fluoropolymers including ECTFE, PFA and ETFE, has been formulated to provide enhanced toughness and chemical protection.



Refurbishment

Surface and Blast Cleaning

Our pre-treatment area is extremely diverse, specialising in surface treatments including blast cleaning and finishing solutions for a vast range of materials to suit various applications.

Services include:

- Flame spraying/metal spraying
- Solvent and aqueous degreasing
- Grit/shot blasting
 - Aluminium oxide grit
 - Chilled iron grit
 - Steel grit
 - Glass bead
 - Other blast media available

Refurbishment

Our maintenance and refurbishment service offers controlled removal of surface coatings to restore products to their original condition. Our service covers most types of process and engineering equipment, including:

- Bakery equipment (dough hoppers, rounders and rollers)
- Chemical processing equipment (centrifuges, agitators and process vessels)
- Handling equipment (guide rails, conveyor slats and feed chutes)
- Packaging machinery (heat seal bars and cutting blades)





Industry Applications

Aerospace

- Bearings
- Bushings
- Couplings
- Gaskets
- Impellers
- Seals

Automotive

- Belt clips
- Bumper bars
- Fasteners
- Roof & bike racks
- Suspension parts
- Under bonnet components

Bakeware/Food Industry

- Biscuit rolls
- Bread pans & bun trays
- Dough hoppers & chutes
- Griddle & hot plates
- Mixing vessels
- Sweet moulds

Chemical/Pharmaceutical

- Agitators
- Centrifuges
- Chemical tanks
- Fans
- Pipe spools
- Pumps

Electrical

- Bus bars
- Cable guides
- Connectors
- Consumer goods
- Light fittings
- Security equipment

Machinery/Engineering

- Bushes & bearings
- Conveyor slats
- Hinge pins
- Plugs
- Plungers
- Saw blades

Medical

- Analytical equipment
- Bed components
- Dental lamps
- Grab rails & handles
- Hoists
- Sterilising baths

Mould Release/Rubber

- Mould platens & tools
- Plug moulds
- Rubber mats
- Shoes & glove moulds
- Tyre moulds

Packaging/Film

- Glue nozzle & rollers
- Glue tanks
- Guide rails & rollers
- Heat seal bars
- Hot foil tools
- Scrappers

Petrochemical/Oil & Gas

- Baking rings
- Ball & gate valves
- Nuts & stud bolts
- Pipeline clamps
- Pumps & valves
- Subsea connectors



All products are tested to ISO standards.



The Hertford site conforms to Green Dragon Level 2 Standard

For more information on our coating products and services or for advice on your specific configurations please contact our **design and technical engineers** today

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– contact**

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Fluoralon®
Fluoralon® HB

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TEFLON® is a registered trademark of DuPont and is used under license by Fluorocarbon Company Limited

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