

*Industrial Fluoropolymer Coatings*

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AFT Fluorotec Coatings Limited is part of the AFT Fluorotec group of companies. Recent investment in PTFE and Fluoropolymer coating equipment allows us to supply the full range of Fluoropolymer materials, providing solutions to a broad spectrum of industries.

Other than PTFE our range includes PFA and FEP, as well as ETFE, ECTFE, PVDF and PEEK.

Many of these coatings are better known by their trade names: Teflon<sup>®</sup> and Tefzel<sup>®</sup> (DuPont), Xylan<sup>®</sup> and Xylar<sup>®</sup> (Whitford Worldwide), Greblon<sup>®</sup> and Senotherm<sup>®</sup> (Weilburger), Halar<sup>®</sup> (Solvay), Kynar<sup>®</sup> (Arkema), Emralon<sup>®</sup> (Acheson).

Within the AFT Fluorotec group; SW Plastics is an approved supplier to BAE systems, and an ISO 9001:2000 certified company.

## Why Choose AFT Fluorotec Coatings?

- First class customer service
- Rapid response to enquiries
- No nonsense approach
- Technical assistance on material selection
- High quality, reliable products, delivered on time

By working closely with our customers we can help to understand their needs and choose the best coating solution for the application.

Our coatings systems offer many properties and technologies that can provide answers for chemical or corrosion protection, low friction, anti galling, wear resistance, non-stick/release, non-wetting, electrical insulating, temperature resistance and stability.

## Materials

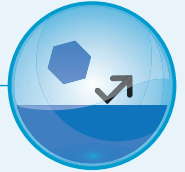
As a leading coating provider we offer a diverse range of industrial coatings for aluminium, carbon steel, stainless steel, steel alloys, brass, zinc, magnesium, and other metals, as well as non-metallic's such as glass, ceramics, elastomers, rubber, plastics, paper and wood.

- PTFE
- FEP
- PFA
- ETFE
- ECTFE
- PVDF
- PEEK

## Properties and Applications of PTFE

AFT have developed a range of Fluoropolymer coating systems which suit most applications. The function that the coating is to be used for and the operating conditions will define the selection of the right coating for the job.

Non-stick and release



Non-wetting



Temperature resistance



Low-friction and abrasion resistance



Corrosion and chemical resistance



Anti galling



Electrical properties



## Our Services

### Surface Preparation and Blast Cleaning

In order to ensure a high quality coating and ensure optimal lifespan of the PTFE coating, correct surface preparation and pre-treatment is vital. New state-of-the-art equipment and process control ensure that optimal surface preparation is achieved to suit the selected coating system.

Grit/Shot blasting is used to prepare the surface prior to coating application and the right choice of media helps provide the best pre-treatment before application of the PTFE coating system. The profile of the metal surface is carefully controlled to ensure maximum adhesion of the coating system. Our blasting meets with Swedish standards SA2.5 and SA3. Listed below are some available blast media:

- Aluminium oxide
- Chilled iron
- Steel grit
- Glass bead

### Rapid Refurbishment Service for Food Processing and Engineering Equipment

- Bakery/food equipment (dough hoppers, chutes, rollers, sweet moulds, mixing vessels and blades)
- Packaging/film machinery (rollers, scrapper blades, glue tanks, heat seal blades)
- Product handling equipment (guide rails, hoppers, feed chutes, conveyor slats, conveyor screws)

### Others

- Flame spray metal pre-treatment for reinforced coatings
- Anti-corrosion paint systems (Trimite and Rust-Oleum®)
- Controlled coating removal
- Collection and delivery service

### Industries Served

The range of coatings that we offer at AFT allows us to provide solutions and answers to many industrial processes across many market sectors. Some examples are detailed below.

- |                               |                               |
|-------------------------------|-------------------------------|
| — Aerospace                   | — Oil and gas                 |
| — Automotive                  | — Industrial                  |
| — Food and bakery             | — Medical                     |
| — Electrical                  | — Packaging and film          |
| — Pharmaceutical and chemical | — Plastic and rubber moulding |

Chemical process



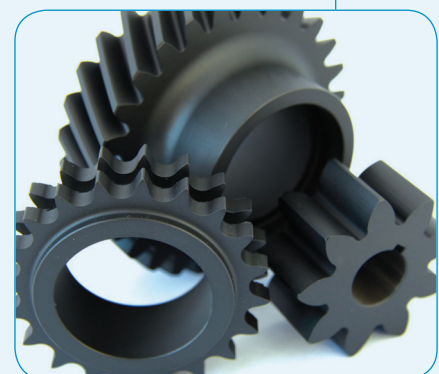
Laboratory glassware



Fasteners



Industrial components



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