

# Engineering Coatings for Industry

Polymer  
Coating  
Solutions  
Ltd



www.polymercoatingsolutions.co.uk



### Specialist Solutions

Polymer Coating Solutions specialises in the application of ptfе and dry film lubricant coating materials.

Whether you want to protect hard-working cutting blades, roll out the perfect biscuit dough or improve the performance of high pressure seals and valves, we have the coating to meet your needs.

We offer solutions to a wide range of industry sectors including engineering, automotive, printing and food production.

### Scientific Excellence

The Company has more than 20 years experience of developing and applying coating systems. We work regularly for customers throughout the UK who value us for our specialist knowledge and understanding of the products and techniques they require.



Perfect protection for fixed and moving parts



### Problem Solving

We welcome technical challenges and are known for our problem-solving skills. Our understanding of the chemistry of polymer coatings enables us to develop new applications for specific situations, often working in close partnership with our customers.

### First Class Service

Polymer Coatings Solutions works to the highest quality and scientific standards. As a small, specialist company, we pride ourselves on:

- Rapid response – within 24 hours if required
- Flexibility
- Personal and professional service
- Free samples for initial evaluation

### Central Location

The company is based in Strensham, Worcestershire, just 10 minutes from the M5 motorway. We have a well equipped laboratory, spray booths, blasting and mixing facilities on our site.

### Our Materials

The coating materials we use in the majority of standard applications are Xylan, Molykote, Greblon, Emralon, Teflon. However, we have many others available and will consult with and advise customers on the most suitable material for their needs.

*Our coatings are exceptionally versatile and offer a range of properties including:*

- Corrosion resistance
- Chemical resistance
- Wear resistance
- Resistance to operating temperatures from -195oC to +285oC
- Low friction – co-efficients down to 0.02
- Non-stick
- Dry lubrication
- Electrical insulation
- Ability to coat rubber and plastic substrates

### Our Services

Polymer Coatings Solutions offers a full coating service from pretreatment through to delivery. We can also carry out laboratory sampling and research, as well as developing materials for specific needs.

### Our Customers

We work across a wide range of sectors and industries, of which the following are typical examples.



### Engineering

The quality of our products and application techniques ensures that they meet the rigorous standards required in manufacturing and process industries.

We regularly provide coatings for components which need to withstand heavy wear and tear, high temperatures and pressures, such as stud bolts, bearings and gears.

### Packaging

Our applications help specialist packaging companies to maintain the reliability and efficiency of equipment such as cutting blades, heat seal bars and glue applicators.

### Food processing

Polymer coatings can help food manufacturers and processors to achieve high standards of hygiene and reduce wastage by improving the efficiency of production equipment, including biscuit rollers, baking trays and weighing equipment.

### Marine

Corrosion resistance is a key requirement for marine equipment, where the right coating can

lengthen the life of components exposed to adverse environmental conditions as well as helping to improve the performance of valves in a variety of applications and to reduce maintenance requirements and failure rates.

These include items such as anchors, deck fittings and stanchions.

### Rubber Industry

Manufacturers of rubber components can use polymer coatings to improve the durability and finish of components such as wiper blades, O rings and gaskets.

### Printing

The corrosive nature of printing inks and the wearing qualities of paper can be combated by using the correct polymer to protect high value equipment including ink trays, cutting blades and splash guards.

### Automotive

Today's automotive manufacturers are required to offer increasingly high standards of durability and corrosion resistance in the items they manufacture. This can be achieved by the application of polymer coatings to components such as brake, casings, pistons and rings.

The coatings can be used to address problems such as corrosion, erosion, electrolytic attack and sticking. Colour-coded coatings can also be used as an aid to identification.



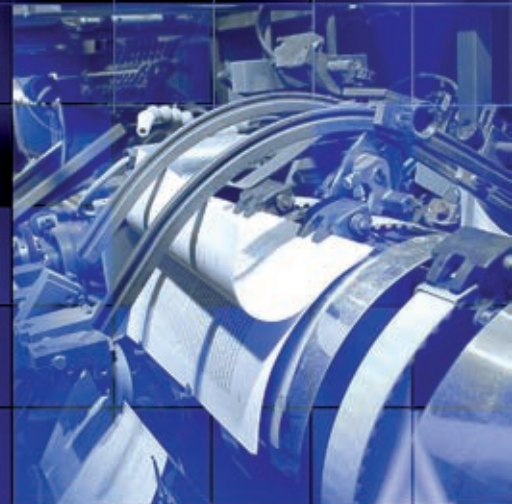
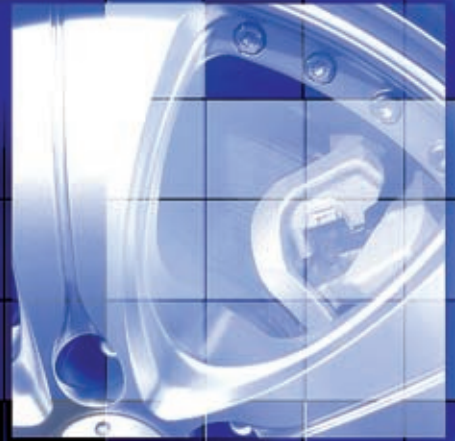
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## Contact Us

Please contact us to find out more about our products and applications, or to discuss the requirements of a specific job.

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