



WHO ARE WE?

Technicoat Ltd. specializes in the application of industrial coatings. Our know-how and high quality are based on experience acquired during 25-year existence in the surface engineering business. We supply our customers with the latest coating technology.

WHAT DO WE OFFER

Technicoat Ltd. provides job-coating services. We apply coatings to finished products as well as production equipment parts. We bring to our customers surface engineering solutions improving efficiency of production processes and add value to final products. We provide comprehensive consultancy services including a technical support in the design of coated parts.

OUR COATINGS

Using advanced technologies we apply PTFE, PFA, FFP, ETFE, ECTFE, MFA fluoropolymer based coatings and PEEK, PA-11, PE, EP and PUR coatings. Applied specialist coatings are marketed under the following trademarks:

- Teflon®
- Xylan®
- Dykor®
- Halar®
- Rilsan®



We offer the most innovative materials and coating solutions based on close customer-supplier relationships with the worldwide suppliers of coating materials (DuPont, Whitford Plastics, Total, Solvay).

QUALITY ASSURANCE

Technicoat is approved „DuPont Licensed Industrial Applicator“, which proves its technical know-how and high quality of products and services. We use top quality coating materials. We inspect the quality of our coatings and produce Quality Certificates.

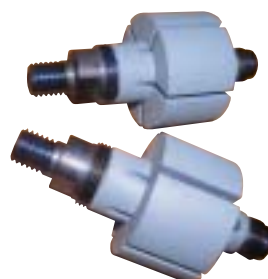
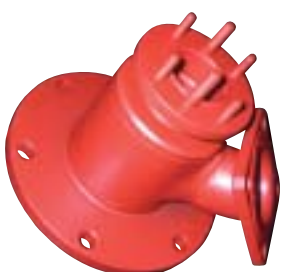


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OUR TARGETS

- Sustain in a position of a reliable supplier of high quality industrial coatings at competitive prices.
- Supply the right surface coating solutions to customers' requirements including surface treatment consultancy services.
- Become a leading supplier of industrial coatings in the Czech Republic and within the region of Central and Eastern Europe.
- Employ technologies and supply products of a minimum impact to working and living environment.
- Minimize lead times to reduce down-times when re-coating machinery parts. We provide „24 Hour Service“ and „Weekend Service“.

Future growth and prosperity are determined by today's customers satisfaction.



Our coatings



By a type of application, we apply the following coatings:

Coating type	Maximum operation temperature	Thickness	Properties
Corrosion resistant coatings	260 °C	100 µm - 2 mm	Excellent resistance to chemical attack at high concentrations, temperatures and pressures (incl. full vacuum). Filled coatings, free of micro-pores preventing permeation of chemicals. Outstanding elasticity, impact and abrasion resistance.
Non-stick coatings	290 °C	30 - 200 µm	Excellent non-stick properties, resistant to abrasion, high temperatures and pressures, mechanical stress. Dielectric strength. FDA approval.
Dry lubrication coatings	260 °C	15 - 35 µm	Extremely low coefficient of friction. Outstanding sliding properties replace standard lubrication agents. Excellent resistance to abrasion, high temperatures and pressures, mechanical stress.
FDA approved coatings	260 °C	200 - 250 µm	Approved for contact with foodstuffs, drinking water and pharmaceuticals.
Flexible substrate coatings	150 °C	1- 25 µm	Weather resistant. Chemical resistant. Freeze release properties. Noise suppression. Good flexibility. Anti-squeak . Abrasion / wear resistant. Low coefficient of friction.

Fluoropolymer coatings feature the following combination of properties:



CHEMICAL RESISTANCE

Teflon® is normally unaffected by chemical environments. The only chemicals known to affect all Teflon® industrial coatings are molten alkali metals and highly reactive fluorinating agents.



NON-STICK

Very few solid substances will permanently adhere to a Teflon® finish. Although tacky materials may show some adhesion, almost all substances release easily.



COEFFICIENT OF FRICTION

The coefficient of friction of Teflon® is generally in the range of 0.05 to 0.20, depending on the load, sliding speed, and particular Teflon® coating used.



NON-WETTING

Since surfaces coated with Teflon® are both oleophobic and hydrophobic, they are not readily wetted. Cleanup is easier and more thorough - in many cases, surfaces are self-cleaning.



HEAT RESISTANCE

Teflon® industrial coatings can operate continuously at temperatures up to 260°C/500°F and can be used for intermittent service up to 316°C/600°F with adequate ventilation.



DIELECTRIC PROPERTIES

Over a wide range of frequencies, Teflon® has high dielectric strength, low dissipation factor, and very high surface resistivity. By special techniques, it can even be made electroconductive enough to be used as an anti-static coating.



CRYOGENIC PROPERTIES

Many Teflon® industrial coatings withstand severe temperature extremes without loss of physical properties. Teflon® industrial coatings may be used at temperatures as low as -270°C/-454°F.



Technicoat Ltd. meet customers' coating requirements received from diverse industrial sectors. We serve the following industries applying coatings to various manufacturing equipment:

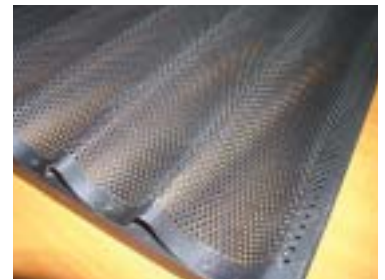
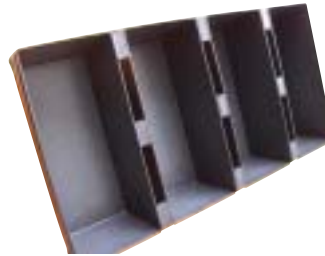
TEXTILE INDUSTRY

- Sizing and drying rollers
- Transferring rollers
- Press rollers to printing machinery
- Dyeing machine rollers
- Laminating rollers
- Cutting tools



BAKING INDUSTRY

- Baking trays and moulds
- Strap mould forms
- Press knives
- Drums and rollers
- Hoppers, chutes



FOOD INDUSTRY

- Hoppers
- Cutting tools
- Milk processing equipment
- Screw feeders and conveyors
- Cheese moulds
- Sugar cube moulds



MINING INDUSTRY

- Couplings
- Well-head parts to sub-sea oil recovery
- Metal packing
- Excavator and conveyor parts



PLASTICS & RUBBER INDUSTRY

- Injection and extrusion moulds
- Air-foaming moulds
- Cutting, bending and extrusion tools
- Rubber profiles, sealings and gaskets
- O-rings



Our products



❑ PULP & PAPER INDUSTRY

- Paper rollers, doctor blades, head boxes

❑ PRINTING INDUSTRY

- Copy rollers
- Printing rollers and sleeves
- Offser printing machine parts



❑ CHEMICAL PROCESSING INDUSTRY

- Reactor vessels
- Storage and transport containers
- Agitators, centrifuges
- Temperature gauges
- Gaskets
- Pumps
- Heat exchangers
- Filters, valves
- Columns, piping systems



❑ AUTOMOTIVE INDUSTRY

- Nuts and bolts
- Springs, hose clips
- Carburettor parts
- Door hinges
- Suction valves
- Disks
- Cylinder head gaskets
- Exhaust pipes
- Fuel intake system
- Flexible door and window sealings



❑ WATER SUPPLY SYSTEMS

- Water treatment and pumping stations equipment
- Household water gauges
- Pumps





We process parts up to 10000 Kg at maximum dimensions of 7m length, 4m width and 4m height. Technicoat Ltd. apply surface coatings employing the following methods:

□ SURFACE PRE-TREATMENT

- Degreasing
- Grit-blasting - iron-free aluminium oxide (Corundum)
- Manganese-zinc phosphating to increase corrosion resistance

□ COATING APPLICATION

- Dispersion spraying
- Electrostatic and tribo-electric powder coating
- Fluidised bed coating
- Hot flocking
- Dip-spinning

□ CURING

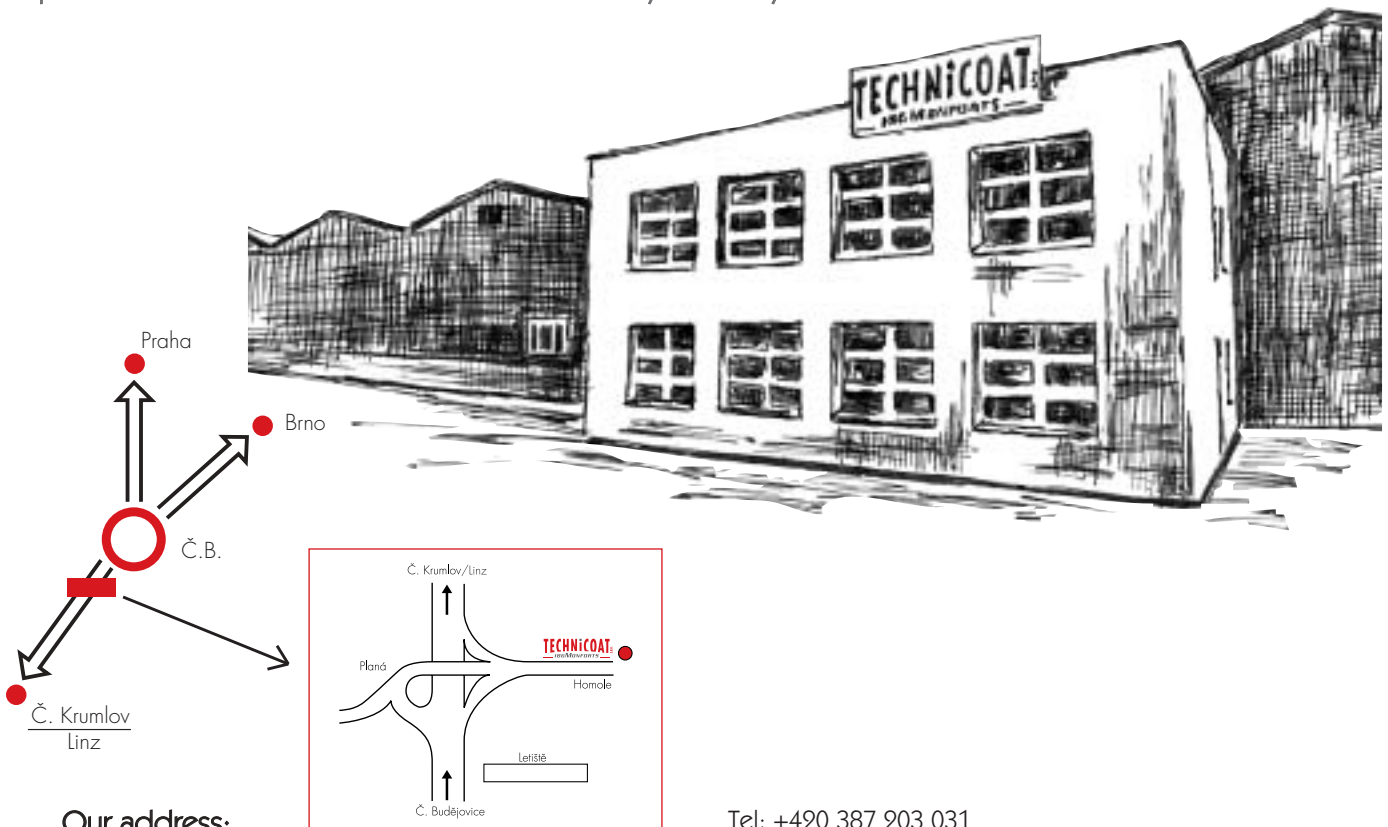
- Computer controlled curing processes at temperatures ranging from 150 °C to 450 °C

□ QUALITY CONTROL

- Final coating thickness inspections (5 - 2500 µm)
- 100% surface visual inspection
- Adhesion testing
- Spark testing
- NDT material testing (also according to ASME)



Specialists and sales team of Technicoat Ltd. is ready to assist you



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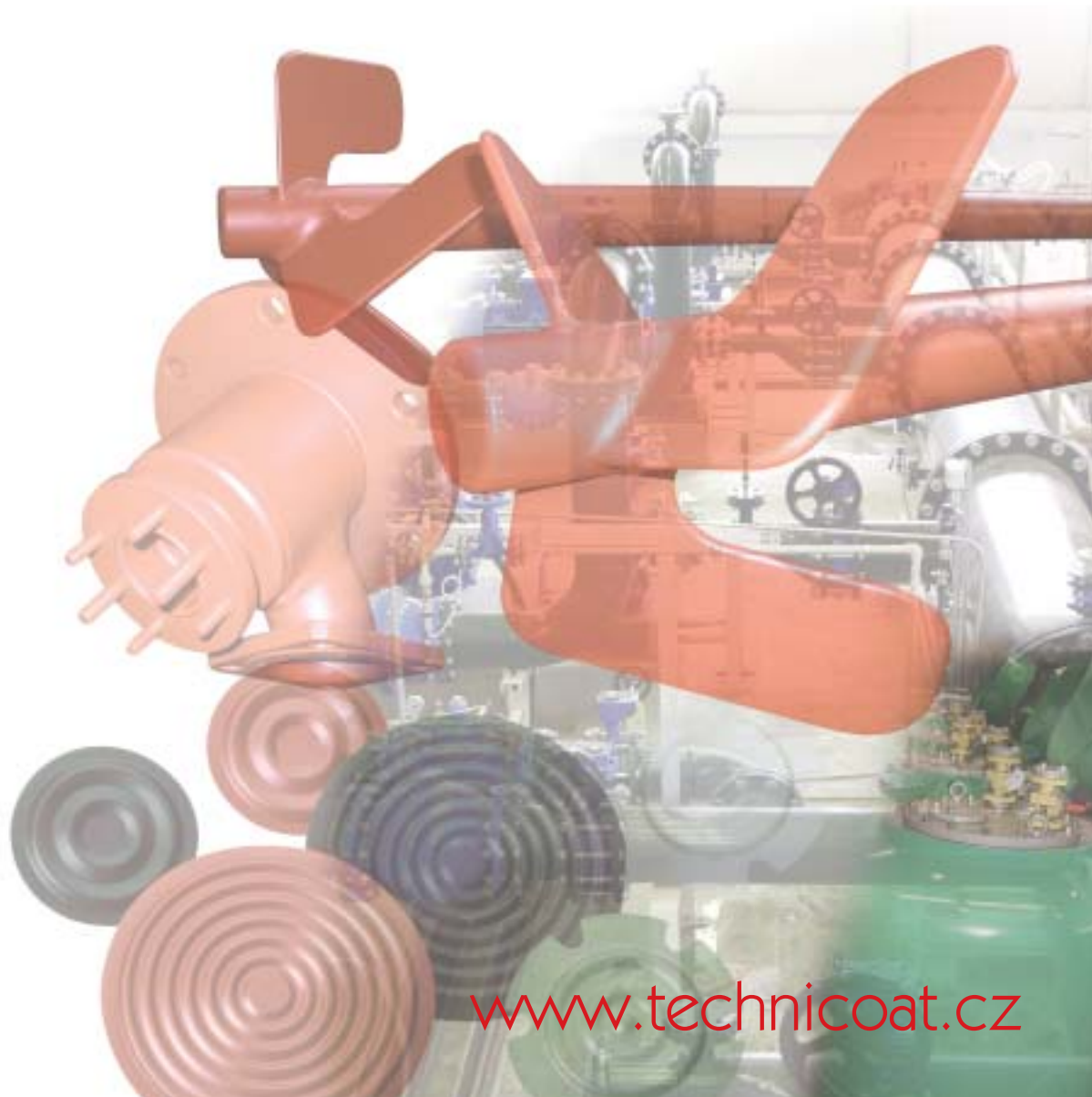
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Fluoropolymer coating solutions



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