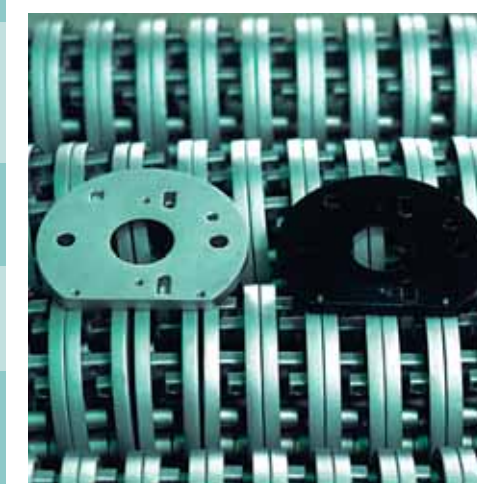


Coating Application target Examples of applications Technical data

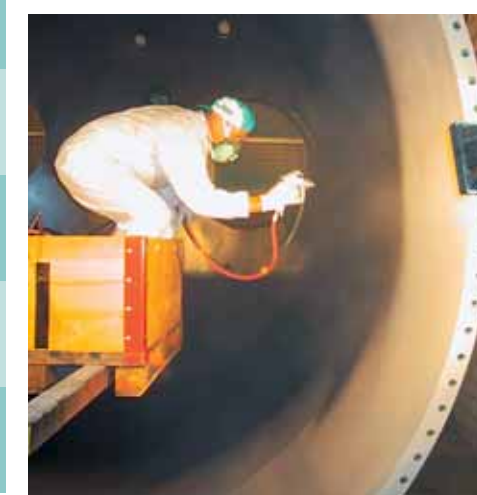
Coating	Application target	Application target						Examples of applications	Technical data		
		Corrosion protection	Diffusion resistance	Insulation	Slide coating	Anti-adhesive	Wear resistance		Max. temperature of application	Thickness of coating µm	Suitability for contact with foodstuffs
PTFE	B11				☺	☺		Non-stick coatings of sealing plates, tools and moulds	260	30	partly
PFA	B12	☺	☺	☺		☺	☺	Corrosion protection and anti-adhesive properties at high temperatures. Highest level resistance to vapour diffusion	260	30 – 600	partly
FEP	B13			☺	☺	☺		Anti-adhesive coating at moderate temperatures in the food industry	205	30 – 80	partly
Silicone	B14					☺		Sealing of thermal spray coatings. Low-cost anti-adhesive coating	250	20	partly
Nano-Coating	B16	☺				☺	☺	Self-cleaning and non-stick effect, anti-fingerprint, abrasive protection on plastics, prevention of thermal corrosion	1100	0.1 – 1	partly
ECTFE (Halar®)	B21	☺	☺	☺			☺	Heavy-duty corrosion protection of chemical equipment and appliances	150	600 – 1200	partly
ETFE	B22	☺	☺	☺			☺	Heavy-duty corrosion protection of chemical equipment and appliances	170	600 – 1000	partly
PFA (Powder)	B23	☺	☺	☺		☺	☺	Heavy-duty corrosion and wear protection at high temperatures	260	300 – 600	partly
PEEK	B25	☺	☺	☺			☺☺	Semi-cristallines material for corrosion and wear protection at high temperatures	260	200 – 800	yes
PA, PE, EP	B26			☺				Materials of medium quality for application as insulators and for specific applications	120	50 – 300	partly
T-PUR	B29			☺			☺	Friction increase, wear resistant, dampening	100	200 – 2000	no

Flexibility

Production focuses completely on your component to be coated.



Our flexible infrastructure equips us for all demands, ranging from serial production of up to 10 000 small components or large single components.



Quality

Quality checks are of particular significance when coating for heavy-duty corrosion protection.



The number of measurements of the coating thickness is defined exactly for all components and the results recorded in a report.



Testing for **non-porous coating** is a 'life insurance' for customers and operators. Any flaws are repaired immediately and recorded in a report.

High performance plastics – your benefit, our experience

By using modern high performance plastics as coating materials we can now achieve technical solutions that seemed impossible up until now.

- Semi-crystalline plastics have similar properties to metals without losing the typical characteristics singular to plastics such as insulating properties and corrosion resistance.

- Thinnest invisible Nano-coating achieves amazing results such as self-cleaning, non-stick or scratch-proof properties for example.

- Vapour diffusion can only be retarded substantially by using suitable filling materials. This prolongs service life of the components substantially, leading to a greater potential to optimise processes.

Our procedure:

We analyse your task and recommend the most suitable coating in our opinion. This can be high-performance plastics in conjunction with ceramic, carbide or metal.

Our production places complete focus on your component to be coated.

If required, we also produce components, purchase them to your specification or supply complete assembly groups.



The following coating processes can be considered depending on the component and unit quantity:

- liquid coating
- powder coating
- fluidized bed coating
- powder flame spray process

The powder flame spray process has very big advantages in particular for partial coating of very large components or when the base material has a limited temperature resistance.



Buser coating processes – modern technology combined with experience and knowledge.

Development and production of surface coating is our speciality. As a result of long years of experience we are able to offer sophisticated technology for a multitude of applications in all branches of industry - for individual components, serial production and repairs. Our coatings enable the low-cost, custom-made manufacture and reconditioning of high quality industrial components.

We coat serial components up to 15 tons in weight and up to 8 meters long. Please contact us with enquires for larger parts.

We are the only company in Switzerland to offer both plastic, metal, ceramic and tungsten carbide coatings and hardplating welding and repair welding of castings as well.

Coated components stand up to the test of toughest application conditions protecting against wear and corrosion and offering thermal and electric insulation. The quality of our work is underlined by the certification to ISO 9001 and GTS.

Our service in surface technology:

- competent, extensive advice
- design and production of workpieces
- preparation of the workpieces to be coated.
- coating to defined specification
- on-site coating
- quality control with report
- packing and shipping worldwide



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**Solving tricky coating tasks is our challenge
 give us a call!**

Coating with high performance plastics



NEW! PEEK coating
 Nano technology coating