

Coatings and special surfaces

When a design idea takes shape, our dedication begins:

Range of application

- prototyping in any research & development dept.
- design
- objects of arts
- model making and experimental pieces
- exhibition samples
- trade fair / booth construction
- architecture
- interior design

Our service portfolio

- chrome optics / metallizing
- conventional lacquering
- cold-sprayable metal surfaces
- special coatings and effect coatings
- surface finish
- prototype construction by cooperation partners

P.S. Lackierungen GmbH

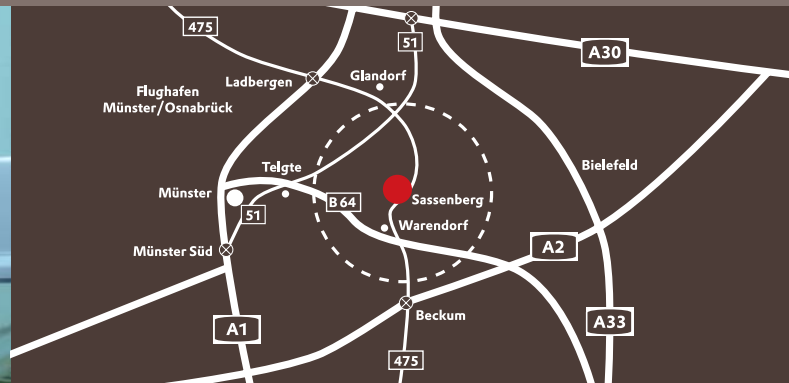
Schloßstraße 1
D-48336 Sassenberg

Phone: +49 (0) 2583 4304
Fax: +49 (0) 2583 3597

info@ps-lack.de
www.ps-lack.de

contact person:
Peter Stücker, Moritz Haring

Surfaces



Real-metal coatings – applicable at room temperature

Surface solution

- realisation of real-metal layers on almost every substrate

Application characteristics:

- 10 different metals can be sprayed on almost any substrate
- surfaces show similar properties as cast metal
- many different structures of metal surfaces can be manufactured: glossy, mat, brushed, corrosion (rust),
- work pieces can be metalized in total or partially
- no electrical conductivity
- micro layers allow the coating of fine structures
- durable surfaces: no breaking, peeling or flaking
- suitable for long-term use outside and inside

Advantages:

- opportunities for prototyping, model construction and product design
- new opportunities for mass production
- quick and flexible manufacturing (substitute to casting and forging)
- cost saving through enlarged material selection
- time saving by less coordination and manufacturing efforts



Metal types:

- aluminium
- iron, stainless steel
- nickel-silver
- brass, bronze, copper
- special alloys: X-metal, Z3, Gunsmoke



Potential substrates:

- foam, plastics, leather
- metal, fibreglass, glass
- plaster, cement
- ceramic, terracotta
- wood, cardboard, paper



Characteristics of cold-sprayed metal surfaces:

- thermal conduction
- magnetism
- reactivity: corrosion (rust), patina, etc.
- anti-microbial (copper, alloys)
- NO electrical conductivity
- Layer dimensions: approx. 50-100µm

