

Special Coatings



SELGA-COAT® CHROME

We add value to your parts

SELGA-COAT® CHROME

SELGA-COAT® CHROME is an innovative, registered surface treatment which takes place in a closed system with practically no emission to water, soil or air. Therefore it can be considered as a “Green Process”.

- Typical application areas are suspension tubes, spindles or pipes. For the specific dimensions special tooling is required.
- Depending on the roughness of the delivered material a value of $R_a = 0.04$ (superfinished) is possible.
- Due to the fast plating time – about $5 \mu\text{m}$ per minute – **SELGA-COAT® CHROME** is ideally suited for mass production.

PROCESS DETAILS

Type of process:	Selective high speed hard chrome plating performed in a closed system, no open tanks
Applicable alloys:	Steel (carbon steel or hardened steel)
Number of layers:	1 layer system
Layer distribution:	Very narrow layer thickness tolerance (for example $25 \pm 2 \mu\text{m}$)
Layer properties:	<ul style="list-style-type: none">■ Hardness 950 – 1,200 HV■ Corrosion resistance >Rp 8 superfinished (grade of corrosion) at 240 hours salt spray test acc. to DIN EN ISO 9277 with a layer thickness between 20 and 25 μm mirror finished appearance■ With superfinishing $R_a = 0.04$ possible
Benefits:	<ul style="list-style-type: none">■ “Green Process”: practically no emission to water, soil or air■ Very non-hazardous process: no contact of hexavalent chromium by the operator■ Very fast plating time ($5 \mu\text{m}$ per minute)