

functional painting

anti-friction flock coatings,
cathodic dip paintings and phosphatings



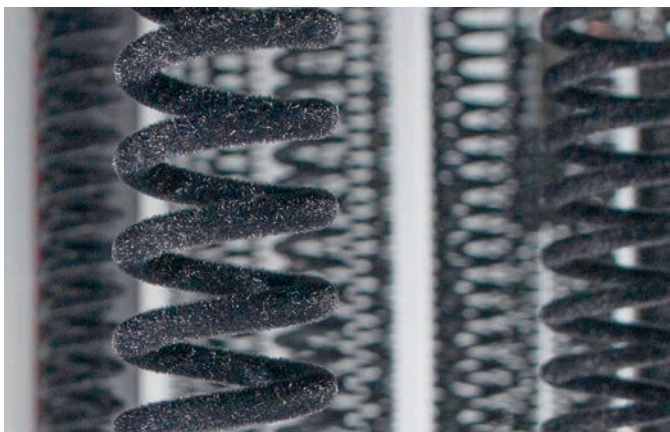
A surface
technologies
aalberts

functional painting

Aalberts surface technologies offers a broad range of functional painting that includes cathodic dip paintings and anti-friction flock coatings.

Pre-treatments and additional finishes, such as degreasing or phosphating without a downstream

painting process are also offered. Assembling of components, customized final inspections or the realisation of the packaging instructions of our customers complete the range of services.



Coil springs with GLISS-COAT® FLOCK.



Guide rail with GLISS-COAT® FLOCK.

	anti-friction flock coating GLISS-COAT® FLOCK	
Description	GLISS-COAT® FLOCK is a coating to improve the absorption of impacts and noise. A low-friction GLISS-COAT® adhesive is combined with polymer-fibers. GLISS-COAT® FLOCK can be applied to phosphated, anodized and blasted metal surfaces as well as to plastic.	
Applications	all kinds of springs, profiles, anti-friction mechanisms, guides, guide rails, blocking pins; Partial coatings are also possible, e.g. only the outside area or only the inside area of a spring.	
Layer properties	flexible tolerance compensation, no squeaking and grinding noises, improved impact absorption, anti-friction properties, increased corrosion resistance, elevated wear resistance	
	cathodic dip painting	zinc-phosphating
Description	Cathodic dip painting is a process during which the workpiece to be coated is negatively charged and then immersed into a paint bath with positively charged paint particles. These paint particles are attracted to the workpiece on which they deposit and form a uniform film across the whole surface. Every gap and corner is coated until the film reaches the specified layer thickness. At this layer thickness the film acts as an insulation of the part so that the electrical attraction is suppressed and the coating process is finished. Subsequent to the application of the paint layer a heat treatment (baking) is carried out at 180 to 220 °C.	Aalberts surface technologies offers rack and barrel phosphating with and without oiling according to DIN EN 12476:2001. To confirm corrosion resistance performance it is necessary to test sample coatings.
Applications	<ul style="list-style-type: none"> the automotive sector (corrosion resistance) general mechanical engineering (corrosion protection, also for stamped parts) well suited for complex shaped parts 	Lot of applications for the automotive sector, mechanical engineering as well as for many other branches.
Layer properties	<ul style="list-style-type: none"> good corrosion resistance high impact resistance 	<ul style="list-style-type: none"> primer for subsequent paintwork moderate corrosion resistance