

GLISS-COAT®

eco-friendly dry lubricant anti-friction coating systems for all kinds of friction partners



surface
technologies

GLISS-COAT®

The GLISS-COAT® brand denotes the range of dry lubricant anti-friction coatings developed and designed by Aalberts surface technologies to reduce friction and surface wear of the final coating. The coating materials are water-soluble. Various methods of application are possible. The type of application method depends upon the geometry and quantity of parts to be coated, the type of liquid coating material used, e.g. single or multiple com-

ponent system, and the final coating requirements. The properties of GLISS-COAT® can be adjusted according to customer and application-specific requirements.

Most GLISS-COAT® layers must be dried after application onto the surface to achieve the required properties with regard to adhesion, hardness, corrosion protection and lubrication. During the drying process temperatures below 100 °C are generally employed. The coated parts are spread out during drying in order to ensure uniform curing.



Small parts, treated with GLISS-COAT® .



Pressure springs for automotive shock absorbers, treated with GLISS-COAT® 200-W-60P.

GLISS-COAT®	200-W	200-W-60P 200-W-100P 200-W-60P	200-W-KP	200-W-SO3	CO3	400-W	2000
Characteristics of the Variants	water-based, solvent-free coating system (basic system)	various compositions which contain lubricating additions	with corrosion protecting additions	black-dyed surface with anti-friction properties	formation of a shiny lubricant film, if subject to pressure	high temperature coating for non-stick applications (shielding gas (shielding gas a nozzles for welding technology), applicable up to 600 °C	multi-functional combination coatings: a first layer + a functional paint coat without silane compounds
Applications (rack and barrel plated parts)	<ul style="list-style-type: none"> all parts that are subjected to an abrasive load movable vehicle interior components, e.g. hinge pins, bearing bolts, seat adjustment components, guide plates rotationally symmetric components, anchors leaf springs bolts, screws, nuts vehicle door locks guide mechanisms, rollers slide bearings, bushes insert/outsert injection moulding technology 				<ul style="list-style-type: none"> balls bearings fitted to drive systems, turbines and rotors coil compression springs for damping systems seat bolting devices spindles, shafts valves, stopcocks roller bearings toothed wheels gear racks 		
Suitable materials	Depending on the process variant all metals, light metals as well as plastics destined for industrial use can be treated. Among others, the following substrates have been successfully treated for special applications: paper, non-woven fabrics, plastic foils, metal foils, ceramics.						
General layer properties	anti-friction properties, pressure resistant, no squeaking and grinding noises, free of heavy metals according to the EU End-of-Life Vehicle Directive						