Extreme load and low friction heroes.

BECHEM Anti-friction coatings are true heroes that meet your demanding application challenges by providing lifetime lubrication, dampen noise and excellent multi-substrate adhesion.

Greasy fingers are history!

The robust products you depend upon BECHEM dry film anti-friction coatings are also available in hand held aerosol spray cans to increase convince and application method. Advantages of hand held aerosol spray cans:

- Spray and go
- Air-cured
- No greasy/oily residue to trap dirt and dust
- No disassembly of components
- Volume to complete both small and large projects

Berucoat AK 936 – designed for low friction

Berucoat AK 936 is a solvent-based, air-curing PTFE-high performance anti-friction coating that reduces friction, wear and background noise caused by vibrations and stick-slip, e. g. in the interior of motor vehicles or in laminate connecting joints.

Advantages

- Excellent noise damping
- Reduction in friction and stick-slip effects
- Reduces soft-on-hard material creaking
- Forms barrier against water and moisture penetration
- Surface adhesion:
  - metal
  - elastomer
  - plastic
  - ceramic
  - wood
  - adhesives
- Good corrosion protection
- Dirt/dust resistant

Applications

- Component combinations with low contact pressure and low to medium relative movement
- Smaller mechanisms in non-visible areas (swivel chairs, office equipment, sliding roofs, switches, sporting equipment)
- Sliding- and guide rails, sliding doors, furniture hinges
- Snowboard bindings (plastic)
- Roller shutter segments and guides
- Pulleys in the textile industry, materials handling
- Impregnation of ceramic surfaces

Berucoat AF 438 – designed for extreme surface contact pressures

Berucoat AF 438 is an air-hardening, MoS_2/graphite anti-friction coating that was designed to coat metal-material combinations in general machine construction (e. g. slide bearings), to pretreat sliding points and for use in precision engineering.

Advantages

- Suitable for metal substrate combinations
- Extreme heat resistance **up to 450 °C**
- Adheres to smooth surfaces
- Dries within a few minutes
- Pressure resistant
- Prevents stick-slip
- Improvement in inlet operations
- Particularly well suited for oscillating movements and intermittent operation
- Will not attract dirt or dust
- Minimal evaporation under high vacuum
- Good resistance to radiation

Applications

- Baking oven pull-out, heat resistant flue doors, car jacks
- Plain bearings
- Precision mechanisms in precision engineering
- For pretreating sliding points with a high specific surface pressure, e. g. for transmissions, cam shafts, splined shafts, slide bearings and bushes
- Dry cutting and cold forming of metals in vacuum-forming processes

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