



ArmaKcoat is a hard uniform coating with a low coefficient of friction. It is used for applications that have high wear. AramaKcoat's hard metal alloy has lubricating properties that, in some applications, eliminate the requirement for additional release sprays, lubricating oil and grease. ArmaKcoat can be applied to all ferrous & most non-ferrous metals. Uniformity & accuracy of ArmaKcoat is maintained within +/- .0001. It covers hard to reach areas that are difficult or impossible to coat with HVOC, PVD or other electrolytic and line of sight type coatings. It provides uniform deposits on the most complex shapes and hardness values around 65-72 Rockwell-C.

User Benefits

- Superior Hardness
- Low Coefficient of Friction
- Protect Parts & Tooling From Wear
- Uniformity of Thickness & No Post Machining
- Conventional Hard Chrome Replacement
- Increase/Improve MTBF of Equipment
- Can Be Polished & Repaired
- Can prevent Premature Failure on Moving Parts
- Increased Corrosion Resistance
- Natural Lubricity

Properties

	As Plated	After Heat-Treatment
Deposit Thickness	.0002"-.003" +/- .0001	.0002"-.003" +/- .0001
Hardness	800-900 Knoop	1,000-1200 Knoop
Coefficient of Friction	0.1-0.2	0.09-.15
Temperature Limitations	around 1,800 F	around 1,800 F
Melting Point	2,800 F	2,800 F



Industries & Applications

Aerospace/Aircraft: Jet Engine Parts, Vanes, Compressor Seals & Gears
Locomotive Parts: Bushings, Break Calipers, Gears & Pistons
Metal Processing: Rollers, Contacts, Bushings, Dies, Blades & Formers
Department of Defense: Gun Parts, Bushings, Chains, Guides & Rings
Hard-Chrome Replacement: Printing, Chemical/Petroleum & Injection
Molding, Tool & Die: Molds, Punches, Pins & Dies
Recreation Equip: Slides & Gears
Injection Molding: Molds, Release, Tooling & Increase Mold Life
Oil & Gas: Bushings & Shafts for Drilling & Pump Parts
Glass Manufacturing: Shoots, Slides, Molds & Forming Equipment

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