



**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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