



## Industry Uses:

- Aerospace
- Defense
- Locomotive Parts
- Tool & Die
- Injection Molds
- Oil & Gas

### Benefits:

- Superior Hardness
- Low Coefficient of Friction
- Natural Lubricity
- Wear Resistance
- Increased Corrosion Resistance
- Uniformity of Thickness
- No Post Machining
- Increases/Improves MTBF
- Easily Polished and Repaired
- Helps to Prevent Failures on Moving Parts
- Hard Chrome Replacement

## ArmaKoat Engineered Finish

ArmaKoat is a hard uniform coating with a low coefficient of friction. It is typically used for applications that have the need for high wear resistance. This hard metal alloy has lubricating properties that, in some applications, eliminate the requirement for additional release sprays, lubricating oil and grease.

ArmaKoat can be applied to all ferrous and most nonferrous metals. The coating's uniformity and accuracy is maintained within +/- .0001.

One of the major benefits of ArmaKoat is that it easily 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 retains hardness values between 65 - 72 Rockwell C.

Properties	As Plated	After Heat Treatment
Deposit Thickness.....	.0002" - .003" +/- .0001	.0002" - .003" +/- .0001
Hardness.....	800 - 900 Knoop	1,000 - 1,200 Knoop
Coefficient of Friction .....	0.1 - 0.2	0.09 - 0.15
Temperature Limitations .....	around 1,800° F	around 1,800° F
Melting Point.....	2,800° F	2,800° F