ACT

ADVANCED COATING TECHNOLOGIES, INC.

WEAPONS & ARMS

ACT offers several coatings for the Arms & Weapons manufacturing industry.
Our coatings and finished polishes offer both reflective and non-reflective surfaces.
Coatings are designed to resist the abrasion of sand and dirt, the attack of chemicals and fungus and reduces the attraction of dirt.
The low friction properties of our coating applied to steel and titanium components ensure they don't interfere with the functions of the weapon.
Coated parts have a higher wear resistance, slide smoother on the counter surface; low lubricated or dry components avoid the attraction of dirt and dust and reduce the need for frequent servicing.

WHY ADVANCED COATING TECHNOLOGIES:

- Industry Leading Research and Development Team
- PVD and DLC Coating Capabilities
- Extensive Material Coating Testing
- Enhanced Quality Control & Quick Turnaround
- DOJ Approved

ADVANTAGES OF COATING:

- Material Protection
- Corrosion Resistance
- Increased Product Life Expectancy
- Increased Lubrication

Dr. Andreas Schuetze,
VP of Technology and Lead Scientist
- Master's Degree in Physics and Ph.D. in Mechanical Engineering
- (4) Registered Patents and more than (20) Published Papers
- Contributor / Professor at UCLA & Technical University, Zurich
- Former head of Research & Development at OERLIKON (Balzers)

You make it First...
We make it *Last*!

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Common Coatings - Weapons

Average coating thickness = 2 microns

Coating	Coating Material	Color	Hardness [HV]	Friction Coefficient	Thickness [Microns]	Max. Working Temperature	Characteristics	Common Use
DLC	Diamond Like Carbon	Dark Grey	2400-4000	0.1-0.2	1-8	200c - 400f	Ultimate Performance Coating	Low Friction Properties - Molds & Mold Components - High Performance Moto & Auto - Aerospace - Bearings
DLC Plus	Diamond Like Carbon	Black	2400-4000	0.1-0.2	1-8	200c - 400f	Ultimate Performance Coating	Low Friction Properties - Molds & Mold Components - High Performance Moto & Auto - Aerospace - Bearings
DLC Rainbow	Diamond Like Carbon	Rainbow	2400-4000	0.1-0.2	1-8	200c - 400f	Ultimate Performance Coating	Low Friction Properties - Molds & Mold Components - High Performance Moto & Auto - Aerospace - Bearings
Warrior	Proprietary	Copper	Proprietary				Universal High Performance Coating	
TiN	Titanium Nitride	Gold	2400	0.50	1-7	600c - 1100f	The General Purpose Coating	Steels - Cast Iron - Aluminum - Bronze - Copper
NACO-Blue	Titanium Carbonitride	Blue Tint	3800	0.25	1-4	400c - 750f	Conventional Coating	Steels - Alloys - Hardened Steels
TICN Red	Titanium Carbonitride	Rose	3800	0.25	1-4	400c - 750f	Conventional Coating	Steels - Alloyed Steels - Superalloys - Cast Ion - Wood - Bronze - Copper - Aluminum
ZRN	Zirconium Nitride	Light Gold	2400	0.30	1-4	550c - 1300f	Monolayer Ti or Cr based adhesion layer	Steels - Alloyed Steels - Superalloys - Cast Ion - Wood - Bronze - Copper - Aluminum
CRN	Chromium Nitride	Silver Grey	1800	0.30	1-4	700c - 1300f	Standard Coating for Non-Cutting Application	Steels - Copper