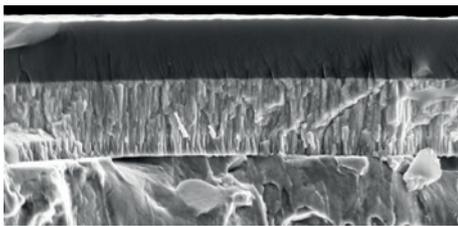


DLC and PVD coatings for firearms



Technical Data

Coating thickness	3 – 5 μm
Hardness HV 0.05	2500



Technical Data

Coating thickness	3 – 5 μm
Hardness HV 0.05	\approx 2000



Technical Data

Coating thickness	0.5 – 5 μm
Hardness HV 0.05	1800 – 2500

Tribobond™ 40 & 41 Series DLC

Diamond Like Carbon (DLC) coatings are widely used to reduce lubrication needs and increase wear resistance on steel, titanium, and aluminum parts. In firearms, DLC-coated internal and external moving components provide low friction for reliable, smooth operation, reduce the risk of jamming, and minimize dirt, dust, and carbon fouling, making them easier to clean and reducing maintenance.

- High wear resistance
- Low coefficient of friction
- Reduce carbon fouling and easier to clean

Decobond™ Black Raven DLC

Decobond™ Black Raven DLC coating is used where improved wear resistance, a bespoke and long lasting metallic look is required, with a darker black DLC appearance. The typical application is for fire-arms, sporting goods in extreme conditions, door- and door hardware, interior trim and automotive components.

Decobond™ PVD coatings

The extremely hard, wear-resistant, and durable PVD coatings are ideal for firearm surfaces exposed to environmental elements. Prior to coating, ionbond surface finishing can range from matte to satin. Decobond™ PVD coatings are available in a wide variety of colors and withstand the harshest battlefield conditions. They can be applied to multiple materials, including carbon steel, stainless steel, titanium, aluminum, and anodized aluminum.

- High wear resistance
- Compliance with military standards
- Low reflection surface

