

# Duralar Decotech Coating

The Duralar Decotech coating is a hybrid between a decorative coating and a technical performance coating. This hard coating provides a lustrous deep black finish for an aesthetically pleasing effect combined with outstanding protection against scratches and corrosion. It can be an ideal solution for a broad range of innovative uses.

Applications: From fashion to firearms, decorative finishes with additional hardness and toughness.

<b>Thickness - <math>\mu\text{m}</math></b>	1-6
<b>Hardness - GPa</b> Comparison Hardnesses - GPa	8-10+ (adjustable to the application) Stainless 304: Typ <1,      Stainless 17-4: Typ <5, Inconel 718: Typ <3,      Chrome on Steel: Typ <10
<b>Wear Rate - <math>\text{mm}^3/\text{nm}</math></b> Comparison Wear Rates - $\text{mm}^3/\text{nm}$	Typical 1.00E-07 Stainless 304: 1.00E-03,      Stainless 17-4: 4.00E-03, Inconel 718: 6.00E-04,      Chrome on Steel: 3.00E-04
<b>Coefficient of Friction</b>	<0.1 (dry)
<b>Deposition Method</b>	PVD + PECVD
<b>Deposition Temperature</b>	150-250°C (substrate dependent)
<b>Deposition System</b>	Duralar Centurion
<b>Applicable Substrates</b>	Carbon Steel, Stainless Steel, Al, Inconel, Ti Alloys, Ni/Ni Alloys, SiC
<b>Deposition Rate</b>	Typical >2 $\mu\text{m}$ / hr