

Duralar Abrasive Wear Control Coating

Duralar's Abrasive Wear Control coatings provide additional thickness for applications requiring maximum abrasion resistance, including protection against wear from particles in slurry flow.

Application environments: Per ASTM G65

Thickness - μm	30 - 80
Hardness - GPa Comparison Hardnesses - GPa	20 (adjustable to the application) Stainless 304: Typ <1, Stainless 17-4: Typ <5, Inconel 718: Typ <3, Chrome on Steel: Typ <10
Wear Rate - mm^3/nm Comparison Wear Rates - mm^3/nm	Typical 5.1E-07 (dry) Stainless 304: 1.00E-03, Stainless 17-4: 4.00E-03, Inconel 718: 6.00E-04, Chrome on Steel: 3.00E-04
Coefficient of Friction	<0.1 (dry)
Deposition Method	PECVD
Deposition Temperature	120-250°C (substrate dependent)
Deposition System	Duralar Emperion / Duralar CS-10
Applicable Substrates	Carbon Steel, Stainless Steel, Al, Inconel, Ti Alloys, Ni/Ni Alloys, SiC
Deposition Rate	Typical >0.4 μm / minute