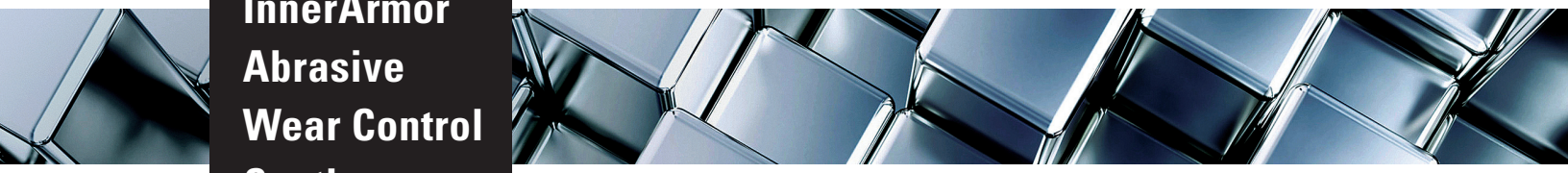

InnerArmor Abrasive Wear Control Coating

Duralar's InnerArmor brand of 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	50 - 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 - mm³/nm Comparison Wear Rates - mm³/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	120-200°C (substrate dependent)
Deposition System	Duralar CS-10
Applicable Substrates	Carbon Steel, Stainless Steel, Al, Inconel, Ti Alloys, Ni/Ni Alloys, SiC
Deposition Rate	Typical >0.4µm / minute

Duralar Technologies • 7620 N. Hartman Lane #132 • Tucson, AZ 85743 • (520) 300-9972

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