

Technical Performance Specifications for CoreKote 2000® E-Coat

Test	Standard	Qualification
Dry Film Thickness	ASTM D7091-05	0.6-1.2 mils
Gloss - 60°	ASTM D523-89	65- 90%
Pencil Hardness	ASTM D3363-00	2 H Minimum
Water Immersion	ASTM D870-02	>1000 hours @ 100°F
Cross Hatch Adhesion	ASTM D3359-97	4B - 5B
Impact Resistance	ASTM D2794-93	160 in/lbs. Direct
Salt Spray	ASTM B117-97	10,000 Hours
Humidity	ASTM D2247-99	1,000 Hours Minimum
Durability	-	Very Flexible, Consistent Film
Heat Transfer Reduction	ARI 410	Less Than 1%
Bridging	-	No Bridging Guaranteed
Coating Of Enhanced Fins	-	Up to 30 fins per inch
pH Range	-	3-12
Temperature Limits		-40° F to 325° F

Military Specifications for CoreKote 2000® E-Coat

- MIL-C-46168 Chemical Agent Resistance - DS2, HCl Gas
- CID A-A-52474A (GSA)
- MIL-STD 810F, Method 509.4 (Sand and Dust)
- MIL-P-53084 (ME) – TACOM Approval
- MIL-DTL-12468 Decontamination Agent(STB)
- DPG (Dugway Proving Grounds) Soil &Water Exposure Tests
- GM9540P-97 Accelerated Corrosion Test (120 cycles)
- ASTM B117-G85 Modified Salt Spray (Fog) Testing – 2,000 hours (tested by ARL for Lockheed Martin)