

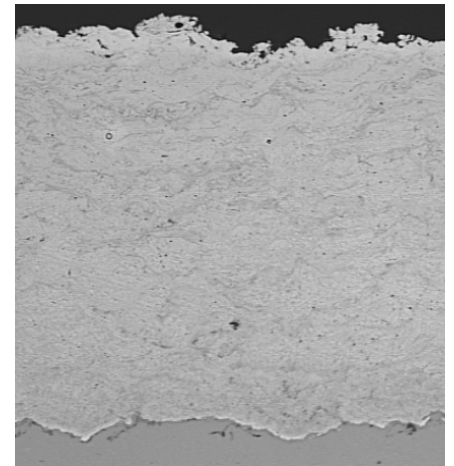
OVERVIEW

CT7200-6 is a high purity Copper material applied by the twin wire arc process. The coating is suitable for use where the electrical and thermal conductivity of copper is desired.

TYPICAL PROPERTIES

Nominal Composition:	Min. 98.7% Cu
Bond Strength:	~1400 psi
Coating Hardness:	37 Rb
Coating Porosity:	3-5%
As-sprayed Surface Roughness:	(controlled by application parameters) 100-350 Ra

Ct7200 Applied over Al2O3 on a Copper substrate in an automotive alternator application.



FOR THE FOLLOWING APPLICATIONS

CT7200-6 is generally used for its electrical and thermal conductivity. Applications include providing conductive and or solderable surfaces for various electronic components, providing a heat sink to dissipate and distribute heat in technical applications, and creating electronic circuits. In addition to the technical applications of this material, it can also be used for purely decorative purposes.

FINISHING

Finish CT7200-6 machining, grinding or buffing.

SPECIFICATIONS

CT7200-6 meets the following specifications:

Federal Specification QQ-R-571a Amendment-1
Copper class FS-RCU-2

DoD Specification MIL-R-19631A (ships) Copper
and MIL-W-6712C, Table II, Copper