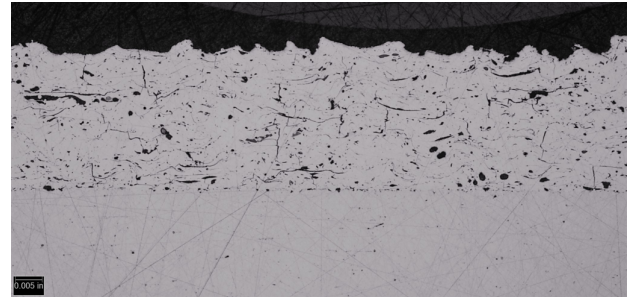


## OVERVIEW

CT7100-6 is an Amorphous Metal Alloy applied by the Twin Wire Arc Spray (TWAS) process. The coating is typically applied directly on the substrate to be protected. CT7100-6 is a hard abrasive and corrosion resistant coating with both extremely high bond strength and high particle to particle cohesion. CT7100-6 can be used in a wide variety of high wear applications, anti-skid surfacing applications and corrosive environments up to a service temperature of 1700° F.

## TYPICAL PROPERTIES

<b>Nominal Composition:</b>	67% Fe/13% Cr/6% Nb/4% B/6% Ni/1% Si/1% Mn/2% Al
<b>Bond Strength:</b>	8,000 – 10,000 psi
<b>Coating Porosity:</b>	5-10%
<b>Coating Hardness:</b>	800-900 Hv, 62-64 Rc (converted)
<b>As-sprayed Surface Roughness:</b>	400-600 Ra (can be tailored)



## FOR THE FOLLOWING APPLICATIONS

CT7100-6 is used for severe service conditions that include wear, corrosion, anti-skid, and high temperatures. In the right applications CT7100-6 can be a more economical solution to wear and corrosion when coating large areas and when the application does not necessitate the premium quality coatings such as are applied by Plasma and HVOF spray.

## FINISHING

CT7100-6 can be finished to high chrome like finishes using conventional grinding and lapping techniques.