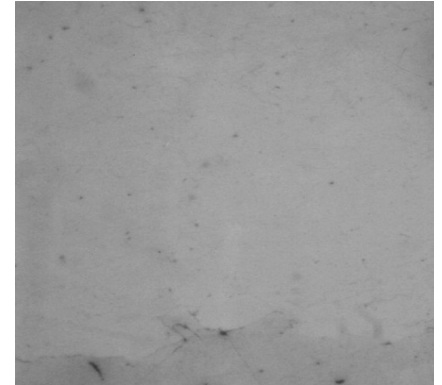


OVERVIEW

CT5174-2 is a pure nickel material applied using the HVOF process. This material exhibits excellent corrosion resistance to many acids. CT5174-3 is a dense, fairly hard material that is smooth as sprayed and may be machined using single point tools.

TYPICAL PROPERTIES

Nominal Composition Cobalt:	99.8% Nickel
Bond Strength:	8,000 – 10,000 psi
Coating Porosity:	Less than 1%
Coating Hardness:	Rb 50-70
As-sprayed Surface Roughness:	100-140 Ra



FOR THE FOLLOWING APPLICATIONS

CT5174-2 has been used as a build up material on nickel and nickel alloy parts.

FINISHING

CT5174-2 may be finished by machining with a single point tool. C2 or C7 carbide tools should be used, negative rake, 1/32" radius. Light cuts with high work speeds give the best finishes.

Near mirror finishes can be achieved by superfinishing if desired.

SPECIFICATIONS

CT-5174-2 meets the following specifications:

Meets internal CTS specifications only