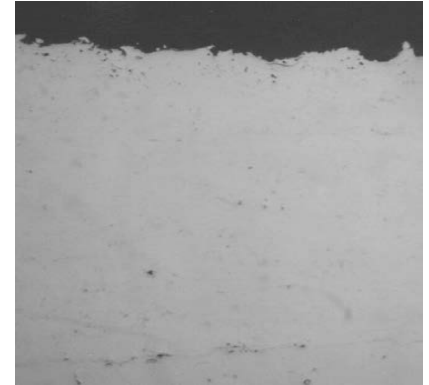


## OVERVIEW

CT5216-2 a Cobalt, Nickel, Chromium, Aluminum, Yttrium coating used as a bond layer under thermal barrier coatings and as a stand alone coating to resist hot gases in gas turbine engines. The material exhibits excellent resistance to sulfidation.

## TYPICAL PROPERTIES

<b>Nominal Composition:</b>	32% NI, 21% CR, 8% AL, .5% Y
<b>Bond Strength:</b>	10,000 PSI
<b>Coating Porosity:</b>	Less than 2%
<b>Coating Hardness:</b>	DPH <sub>300</sub> 300



## FOR THE FOLLOWING APPLICATIONS

CT5216-2 is used in applications such as land based gas turbine blade airfoil surfaces, and bond coats under yttria stabilized zirconia thermal barriers. It is often overcoated with aluminides to improve resistance to hot gases, although it is also used without aluminide, depending on the application.

## FINISHING

CT5216-2 is not often finished except by tumbling to reach specific finish requirements on blades.

## SPECIFICATIONS

CT-5216-2 meets the following specifications:

B50AG5