



## MAGNESIA ALUMINA SPINEL COATING

[CCC-500](#)



### PROPERTIES

- Ability to Provide a Controlled Permeability
- High Thermal Shock Resistance
- Excellent Gas Erosion Resistance
- Hardness – Rc 35 Approx.
- Coating Thickness: -.001”-.025”
- Porosity: 8-16%
- Surface Finish: 220 – 260 Ra (micro inches)

### MATERIALS COATED

Alloys, Ceramic, Platinum, Steel

### APPLICATION

SPINEL is applied primarily to the surfaces of parts requiring a high thermal shock and gas erosion resistance due to its resistance to wetting by liquid aluminum; it is an excellent finish for surface molds, ladles, ladle plugs, ladle lips and other furnace parts. It is also commonly used to coat oxygen sensors for gas erosion resistance and controlled permeability.

Colonial Coatings Corp. provides coating services to a growing automotive market for oxygen sensors. Our company has demonstrated the consistent high quality level required for the application of SPINEL Coatings. We at Colonial Coatings Corp. are prepared to take your company's coating requirements into the next millennium, offering outstanding quality, on-time delivery and competitive pricing.