



MAGNAPLATE

COATINGS ENGINEERED **FOR YOUR SUCCESS**

BENEFITS

- Thickness range: minimum of 0.003"
- Operating temperatures range from -200°F to +1,000°F (-128°C to +537°C)
- Minimal weight loss after 1,000 Taber abrasion cycles
- Corrosion resistance
- FDA-compliant

APPLICATIONS

- Gate Valves
- Impellers
- Housings & End Plates
- Folding Bars
- Guide Rails
- Palletizer Plates
- Conveyor Channels
- Processing Hoppers
- Capstan Wheels

Plasmadize[®] EXC

PLASMADIZE[®] EXC is a unique combination of our proprietary nickel alloy and tungsten carbide matrix. The end result is a coating that delivers the ultimate in wear and abrasion while providing an extremely low coefficient of friction and an elastomeric property not previously available in conventional thermal spray coatings.



PLASMADIZE EXC is used in severe wear/abrasion applications, and with an additional processing step, can offer corrosion resistance as well. The coating features a top range of +1,000°F (+537°C), except when applied to aluminum. PLASMADIZE EXC can be applied in varying thicknesses thus extending the wear life. Exact hardness measurements are not available due to the composite nature of the coating. The hardness of the matrix materials used surpasses Rc scale.

General Magnaplate offers another version called **PLASMADIZE EXN**. PLASMADIZE[®] EXN offers slightly less wear protection than EXC, but more corrosion protection especially in salt water environments. Both PLASMADIZE EXC and EXN are FDA-compliant and are available in HVOF versions for the most severe wear and corrosive applications.

