



# General Magnaplate

Smart Coating Solutions® Worldwide

## BENEFITS

- Thickness—Minimum of 0.003"
- Coefficient of Friction—As low as 0.1
- Operating Range—1000°F to -200°F
- Taber Abrasion—0.1 mg per 1000 cycles
- Corrosion Resistance—500-1000 salt spray hours

## 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 and corrosive applications. Plasmadize EXC features a top range of 1000°F (except when applied to aluminum) and offers corrosion resistance between 500-1000 hours salt spray per ASTM B-117. 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. Plasmadize EXC features the best combination of wear resistant matrix material and polymers we have to offer.

General Magnaplate offers another version called **Plasmadize EXN**.

Plasmadize EXN offers slightly less wear protection than EXC but maximum 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.

