



TEXAS * PENNSYLVANIA * NORTH CAROLINA
<http://hi-alloy.com>

HI-ALLOY ES-59

HOT PROCESS - METAL SPRAY POWDER

DESCRIPTION: Hi-Alloy ES-59 Hot Spray Powder is a high hardness nickel base alloy which may be used on steel, stainless steel, nickel alloys and cast iron. The deposited metal is non machinable, has excellent resistance to abrasion and corrosion, retains its hardness at elevated temperatures, resists galling and scaling and has a low coefficient of friction.

TYPICAL APPLICATIONS: Valves and valve seats, blades, extrusion screws, dies, chain saw guides, impellers, cams, camshafts, mandrels and nozzles.

PROCEDURES: See the Model 7800 Hot Spray Powder Torch.

MELTING TEMPERATURE: 1900° F

HARDNESS: Rockwell C 60 - 64

COVERAGE ESTIMATE: 500 Grams to Cover 58 Square Inches 1/16" Thick