



HI-ALLOY ES-58

HOT PROCESS - METAL SPRAY POWDER

DESCRIPTION: Hi-Alloy ES-58 Hot Spray Powder is a blend of tungsten carbide particles and a tough nickel base alloy matrix. This alloy may be used on steel, stainless steel, nickel alloys, and cast iron. In the deposited metal the tungsten carbide particles are held firmly in place by the already corrosion, heat, and wear resistant matrix, combining for the ultimate in resistance to abrasive environments such as sand, gravel and cement.

TYPICAL APPLICATIONS: Mixer blades and paddles, augers, cane knives, plow shares, conveyor screws, mower blades, de-barkers and cement chutes.

PROCEDURES: See the Model 7800 Hot Spray Powder Torch.

MELTING TEMPERATURE: 1900° F (Matrix)

HARDNESS: Rockwell C 62 - 66

COVERAGE ESTIMATE: 650 Grams to Cover 250 Square Inches .010" Thick