



HI-ALLOY HI-FRICTION

ONE STEP METAL ALLOY SPRAY POWDER

DESCRIPTION: Hi-Alloy Hi-Friction spray powder is a self-bonding, metal alloy, build-up spray powder designed to be applied at very low temperatures (200° F) eliminating distortion or metallurgical changes in the base metal. The deposited metal is capable of withstanding service temperatures of up to 1600° F, and provides good resistance to low stress frictional wear and abrasion.

CONVENIENCE: Hi-Friction's one-step application process eliminates the need to change powders, gas pressures, and eliminates laminations in the deposit which can result in coating failures.

VERSATILITY: Hi-Friction powder can be applied to rough ground, grit blasted or machined, carbon steel, stainless steel, cast iron, and aluminum parts.

METALLURGICAL BONDING: Hi-Friction powder is designed to react exothermically in the flame producing deposits which exhibit good resistance to low stress sliding and abrasion, and superior resistance to galling, seizing and scoring.

MACHINABILITY: The deposit hardness is Rockwell C 30 - 35 for the matrix and Rockwell C 70 - 75 for the laminar carbides. Deposits can be machined using a single point tungsten carbide tool or ground to final size or shape.

APPLICATIONS: Cylinders, rolls, pistons, pump plungers, crank shaft bearings, bearing seats, fan shafts, motor shafts, pump shafts and sleeves, pump seals, mechanical seals, spindles, propeller shafts, conveyor rolls, shafts and journals.