



HI-ALLOY HI-DUCTILE

ONE STEP METAL ALLOY SPRAY POWDER

DESCRIPTION: Hi-Alloy Hi-Ductile metal alloy 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. This is the easiest to use, and most versatile of the one step powders. High internal strength, combined with low shrink rates, eliminates the need for very close temperature control, and spray distances can vary within reasonable limits.

CONVENIENCE: Hi-Ductile 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-Ductile can be applied to flat, round, or contoured parts of steel, stainless steel, cast iron, and many bronze alloys.

METALLURGICAL BONDING: Hi-Ductile powder is designed to react exothermically in the flame producing high strength integrated metallurgical bonds with the parent metal.

MACHINABILITY: The deposit hardness is Rockwell C 22 - 24 for laminar carbides and is easily machined and finished with conventional machine tools.

APPLICATIONS: Machining errors, adding metal for part modifications and restoring original dimensions to worn parts.