Addifix 796

TOTALLY NEW TUNGSTEN CARBIDE HARD FACING OVERLAY NOW AVAILABLE IN ALL APPLICATION FORMS

HARDNESS: 68-72 Rockwell "C"

Highest possible density of TUNGSTEN CARBIDE particles saturate the extremely hard and tough NICKEL CHROMIUM BORON deposit. Uniform mesh size TUNGSTEN CARBIDE particles create the most abrasion resistant deposit possible.

- **A totally new manufacturing concept in TUNGSTEN CARBIDE overlays. This is not the traditional steel tube filled with TUNGSTEN CARBIDE powders. This means more CARBIDE and less steel are applied in every pound of overlay.**
- **Highest abrasion-resistant deposit metallurgically possible.**
- **Deposits contain between 60-65 percent ANGULAR FUSED TUNGSTEN CARBIDE.**
- **FUSED TUNGSTEN CARBIDE has a hardness of 2350 on the Vickers Scale versus 1100 for common sintered RECYCLED TUNGSTEN CARBIDE.**
- **The pure WC and W2C particles are uniformly sized between 100-200 mesh.**
- **Extensive testing has proven that high density uniformly-sized carbide particles of mesh size chosen, in combination with the NICKEL CHROMIUM matrix results in the greatest possible resistance to fine particle abrasion.**
- **Hard NICKEL CHROMIUM BORON matrix is specifically designed to resist undercutting erosion and loss of whole carbide particles.**
- **Deposits are corrosion-resistant to a wide variety of media of various pH levels.**
- **Nearly 100% recovery without any slag generation.**
- **Deposits are super hard, smooth and glossy.**
- **Because the alloy melts at about 2000º F, it can be applied at unusually low amperages and heat input which minimizes dilution even in one pass.**
- **Wets outs and flows fluidly enabling the application of thin layers where necessary.**
- **Absolutely non-machinable except by grinding with difficulty.**
- **Applications include hardfacing on ferritic and austenitic steels (steel casings), overlaying mixer blades and conveyors. Recommended for hardfacing rock bits and stabilizers in the petroleum industry**

- AVAILABLE IN ARC, MIG, or TORCH -