**Postalloy® Hardfacing Products for the**

**Construction Industry**



**Overlay Hardfacing Wires**

**Postalloy® 2829-MCO** is a high hardness overlay well suited for applications involving high abrasion or abrasion combined with mild impact. Average hardness is 64-68 Rc

**Applications include** Asphalt mixer blades,Compactors**,** Curbing machine augers**,** Paving machine agitator blades**,** Paving machine paddles**,** Paving machine screw augers**,** Post hole augers**,** Tamper tools.

**Postalloy® DuraChrome™2832-MCO** is an open-arc or gas shielded premium chromium carbide for applications involving high abrasion and mild or moderate impact.

Average hardness is 58-62Rc.

**Applications include** Auger flights, Bulldozer blades, Screw conveyors, Mixer blades, Hammers.

**Postalloy® DuraChrome™2837-MCO** is specifically designed to produce a high concentration of fine chromium carbides in an austenitic matrix. The fine dispersion of chromium carbides greatly improves the abrasive wear resistance and impact toughness compared to ordinary chromium carbide products. DuraChrome™ 2837-MCO can be applied to carbon steels, low alloy steels, manganese steels and cast-iron rolls. Very consistent crack pattern makes DuraChrome™ 2837-MCO an excellent choice for multi-layer hardface applications. This helps reduce the probability of spalling and chipping. The weld deposit is not machinable and will withstand hot wear applications up to 1000°F (538°C). Average hardness is 60-66 Rc.

**Applications include** Screw conveyors, Chutes and liner plates, Hammers

Crusher Parts, Cement crusher rolls.



**Postalloy® DuraHard™2898-FCO** is a low chromium general purpose self-hardening overlay with a good combination of resistance to abrasion and impact. It is very tough with excellent resistance to chipping and spalling. Average Hardness is 55-59 Rc.

**Applications include** Hot shear blades**,** Dozer blades**,** Tamper feet**,** Bucket teeth**.**

**Build-up Hardfacing Wires**

**Postalloy® DuraMang™2865-FCO** is a flux-cored open-arc hardfacing wire that deposits fully austenitic chromium-manganese weld metal. Hardness as deposited 20Rc, work hardens up to 45-55Rc

**Applications include** Pulverizing hammers, Crusher rolls and jaws

**Overlay Hardfacing Electrodes**

**Postalloy® 214** is a high chromium carbide hardfacing electrode for high abrasion and mild impact applications. Deposits take on a high polish, producing excellent frictional and sliding abrasion resistance. Use on carbon and alloy steels, stainless steels and cast iron. Postalloy® 214 is highly resistant to heat and corrosion. Corrosion resistance is equal to straight chromium steels, and it retains its hardness up to 1000°F(538°C). Postalloy® 214 offers good out-of-position welding characteristics on either AC or DC. It offers fast deposition rate and easy slag removal. It produces minimum dilution for high first past hardness and deposits are extremely smooth and virtually ripple free. Average hardness is up to 60Rc.

**Applications include** Augers, chutes and liner plates, shredders & fibrizer hammers

**Postalloy®215HD** is a chromium carbide tubular electrode with extremely good abrasion resistance coupled with mild to moderate impact resistance. Average hardness is 58-62Rc.

**Applications include** Screw conveyors, Chutes and liner plates, Hammers

[**www.hardfacetechnologies.com**](http://www.hardfacetechnologies.com)

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