

Hardfacing Products for the Mining Industry

Postalloy®2820-SPL Chromium Carbide

Postalloy®2820-SPL is a chromium carbide hardfacing alloy for applications involving high impact combined with abrasion.

Applications Include:

- Pan conveyors
- Crusher Parts

Postalloy®2829-SPL High Hardness Overlay

Postalloy®2829-SPL is a high hardness overlay for applications involving high abrasion or abrasion combined with mild impact.

Applications Include:

- Auger points
- Bulldozer blades
- Bulldozer end bits and plates

Postalloy®2832-SPL Chromium Carbide

Postalloy®2832-SPL is a premium chromium carbide hardfacing alloy for applications involving high abrasion and mild or moderate impact.

Applications Include:

- Auger points
- Bulldozer blades
- Bulldozer end bits and plates
- Dragline bucket teeth
- Grizzlies

Postalloy®2834-SPL High Chromium

Postalloy®2834-SPL is a high chromium hardfacing alloy for applications involving high abrasion or abrasion combined with moderate impact.

Applications Include:

- Dragline bucket lips
- Dragline bucket teeth
- Grizzlies

Postalloy®2836-SPL Multi-Carbide

Postalloy®2836-SPL is a high hardness multi-carbide hardfacing alloy that resists severe abrasion, including high stress grinding, low stress scratching, and gouging abrasion.

Applications Include:

- Auger points
- Dragline bucket teeth
- Grizzlies

Postalloy®2850-FCO Manganese

Postalloy®2850-FCO is a work hardening austenitic manganese flux-cored wire designed for buildup, hardfacing and fabricating of manganese steel. Deposits are very tough. Applications Include:

- Manganese dragline chain wear parts
- Manganese shovel track pads

Postalloy®2865-FCO is a flux-cored hardfacing wire that can be used equally well for joining and buildup/surfacing of carbon, low alloy and manganese steels.

Applications Include:

- Dragline bucket lips
- Dragline bucket teeth

Postalloy®2892-SPL Buildup Wire

Postalloy®2892-SPL is a medium hardness buildup wire with excellent compressive strength. Recommended for applications where weld deposits must provide good metal-to-metal wear resistance, but still be machined "as welded".

Applications Include:

- Tractor driving sprockets
- Tractor idlers
- Tractor rollers

Postalloy®215HD Tubular Electrode

Postalloy®215HD is a chromium carbide tubular hardfacing electrode with extremely good abrasion resistance coupled with mild to moderate impact resistance.

Applications Include:

- Screw conveyors
- Bucket lips and teeth
- Dozer end bits

Carboklad™ Overlay Plate

CARBOKLAD™ CR33 Chromium Carbide overlay wear plate is manufactured with a special chemistry that produces a very consistent hardness and carbide volume. The unique overlay process produces a plate with a surface that is harder, tougher, and more wear resistant than plate made by other processes. It is designed for areas with moderate impact and severe abrasion. Easily out wears AR400 by 5 or 6 times and mild steel by a factor of 20. CR33 Overlay plate is produced with a smooth, low friction polished surface, reducing material hang up and maximizing flow. The finished overlay plate can be cut, formed, and rolled. The backing plate can be easily welded together or to any weldable structural material. CR33 must be cut by a plasma or abrasive water jet.

Also available:

CR36 A complex carbide for more severe abrasive environments and/or temperatures up to 1,400-degree F (750-degree C).

CR33WC The same high performance chromium carbide as CR33 with tungsten carbide for ultimate abrasion resistance.

CR36WC The same complex carbide as CR36 with tungsten carbide for ultimate resistance at higher temperatures.

Standard Thicknesses:

1/8 on 1/8
3/16 on 3/16
1/4 on 1/4
3/8 on 3/8
1/2 on 1/2

Standard plate is 60" x 120" and can be cut to your specific size and shape.

For more information on how to obtain the maximum life of your equipment please contact Mike Korba or Klint Smith at (216) 265-9000. mkorba@postle.com · ksmith@postle.com