



ZEDALLOY CoCr-A

HARD FACING (High Temperature Oxidation - Impact - Abrasion)



Cobalt Based Alloy resistant to High Temperature Oxidation and Thermal Shock

ALLOY BASIS :

Cobalt Base High Carbon-Chromium

KEY FEATURES :

- Rutile coated electrode
- Machinable weld deposit
- Retains hardness up to 600°C
- Resistant to Metal to Metal Wear, High temperature Oxidation and Mechanical and Thermal Shocks

WELDING POSITION :



AC (80 V) / DCEN

TYPICAL APPLICATIONS :

- Valves, Valve seats
- Sealing surfaces
- Hot pressing tools
- Conveyer screws
- Hot shear blades, Knives
- Dies and cutting edges in chemical, rubber, oil, sugar industries and Steel mills

REDRYING CONDITION : 200°C for 1 hr.

PHYSICAL PROPERTIES :

Condition	Hardness, HRc (BHN)	
As Welded	At Room Temp	35-40 (320-370)
	At 600°C	33 (310)

Machinability



Abrasion Resistance



Impact Resistance



Corrosion Resistance



PARAMETERS - PACKING DATA :

Ø x L, mm	Amperage, A	Wt./Carton, Kg	Carton/Box	Net wt./Box, Kg.
3.15 x 350	100-140	5	4	20
4.0 x 350	140-180	5	4	20
5.0 x 350	180-220	5	4	20

Physical Properties: With increase in number of squares, property improves