

Metals And Welding Specialities is a trusted name in the manufacturing and supply of high-performance **Cobalt Base Alloys ECoCr-A Welding Electrodes**, designed for exceptional wear resistance, corrosion protection, and high-temperature stability. These electrodes are formulated to produce tough, crack-resistant weld deposits that maintain hardness even under extreme heat and mechanical stress. Classified under **UNS R30006, ASTM Grade CoCr-A**, and universally recognized as **Stellite 6**, this alloy is engineered to deliver superior metallurgical integrity for critical industrial applications.



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The **ECoCr-A welding electrodes** from Metals And Welding Specialities are ideal for hardfacing and overlay operations where abrasion, erosion, and corrosion combine to cause severe material degradation. The weld deposits exhibit an excellent balance of hardness and toughness, making them suitable for use on valve seats, turbine blades, pump sleeves, cutting edges, and other components subjected to metal-to-metal or metal-to-mineral contact. These electrodes provide a fine, dense microstructure that resists galling, oxidation, and scaling up to approximately 870°C (1600°F).



Cobalt Base Alloys ECoCr-A Welding Electrodes, Cobalt Base Alloys ECoCr-A Welding Electrodes Manufacturers, Cobalt Base Alloys ECoCr-A Welding Electrodes Suppliers, Cobalt Base Alloys ECoCr-A Welding Electrodes Stockists, Cobalt Base Alloys ECoCr-A Welding Electrodes Exporters

One of the standout features of **Metals And Welding Specialities ECoCr-A Welding Electrodes** is their outstanding metallurgical bond strength. The cobalt-chromium matrix is reinforced with tungsten and carbon, forming carbides that enhance hardness while maintaining ductility. This unique composition ensures dependable performance in both high-temperature and corrosive service environments. The deposited metal exhibits a hardness range of approximately 35–45 HRC, which can be fine-tuned through multiple layers and controlled heat input.

Our **Cobalt Base Alloy ECoCr-A** electrodes are designed for smooth arc stability, minimal spatter, and excellent slag detachability, allowing for easy manipulation and clean weld beads. They can be used on both ferrous and non-ferrous base metals, including steels, stainless steels, and nickel-based alloys. Whether applied through manual metal arc (MMA) welding or other compatible processes, the electrodes deliver consistent results and long-lasting surface protection.



Cobalt Base Alloys ECoCr-A Welding Electrodes in India, Cobalt Base Alloys ECoCr-A Welding Electrodes Manufacturers in India, Cobalt Base Alloys ECoCr-A Welding Electrodes Suppliers in India, Cobalt Base Alloys ECoCr-A Welding Electrodes Stockists in India, Cobalt Base Alloys ECoCr-A Welding Electrodes Exporters in India

Industries such as aerospace, petrochemical, power generation, oil & gas, and metal processing depend on **Stellite 6 / ECoCr-A** hardfacing for its unmatched durability and resistance to wear mechanisms like cavitation and erosion. Metals And Welding Specialities ensures each batch of electrodes meets stringent quality and chemical composition standards, guaranteeing reliability in demanding operational conditions. Our commitment to quality and precision manufacturing makes Metals And Welding Specialities a leading supplier of **ECoCr-A Cobalt Base Alloy Welding Electrodes** across global markets.

By combining technical excellence with deep metallurgical expertise, Metals And Welding Specialities delivers welding consumables that enhance component life, reduce maintenance downtime, and improve overall performance efficiency. If you need a dependable solution for high-stress, high-temperature applications, the **Cobalt Base Alloys ECoCr-A Welding Electrodes** from Metals And Welding Specialities are your best choice for long-term durability and cost-effective operation.

Specification Cobalt Base Alloys ECoCr-A Welding Electrodes



Classification	AWS A5.13, ECoCr-A
Form	Welding Electrode, Welding Rods
Type Of Current	Direct Current Electrode Positive (DCEP)
Size	2.6 mm (3/32") 3.2 mm (1/8") 4.0 mm (5/32") 5.0 mm (3/16") 6.4 mm (1/4")
Welding Positions	All positions (F, V, OH, H)

AWS ECOCR-A Welding Electrodes Application & uses

Petroleum
Chemical plant
Power sector
Gas Industry
Hardware tools
Metallurgy
Machinery
Construction
Shipbuilding

Equivalent Grade Of ECoCr-A Welding Electrodes



Class	UNS	Stellite
ECO-CR-A	W73006	Stellite 6

Cobalt Base Alloys ECoCr-A Welding Electrodes Chemical Composition



C	Mn	Si	Cr	Ni	Mo	Fe	W	Co	Other
0.7-1.4	2.0	2.0	25-32	3.0	1.0	5.0	3.0-6.0	Rem	1.0

People Also Searched

Stellite 6 welding electrodes, UNS R30006 electrodes, CoCr-A alloy welding rods, cobalt-chromium hardfacing electrodes, Stellite 6 CoCr welding wire, ECoCr-A electrodes suppliers, cobalt base welding consumables, wear-resistant hardfacing rods, Stellite 6 overlay electrodes, Metals And Welding Specialities welding electrodes, ASTM CoCr-A rods, UNS R30006 filler metal, cobalt-chromium alloy electrodes, high temperature hardfacing alloys, ECoCr-A electrode properties, cobalt base alloy composition, corrosion-resistant welding rods, Stellite welding electrode price, valve seat overlay electrodes, turbine blade repair alloy, cobalt alloy surfacing rods, ECoCr-A chemical composition, Stellite 6 welding specifications, cobalt hardfacing electrode manufacturers, CoCr alloy welding electrodes, UNS R30006 mechanical properties, cobalt-chromium-tungsten electrodes, hardfacing electrodes for steel, Metals And Welding Specialities CoCr electrodes, Stellite 6 welding material, ECoCr-A electrode hardness, cobalt-based surfacing alloys, wear and corrosion resistant welding rods, high performance welding consumables, ASTM Grade CoCr-A filler metal, cobalt alloy electrodes for high temperature service, Stellite overlay materials, cobalt-chromium weld rods.