

Metals And Welding Specialities is a trusted supplier and manufacturer of **ECOCR-E Welding Electrodes**, known for their exceptional wear resistance, strength, and durability in extreme environments. These electrodes are designed for applications that demand superior performance under high temperatures, corrosion, and metal-to-metal friction. The **Cobalt Base Alloys ECOCR-E Welding Electrodes** are engineered with a precise chemical composition that enhances hardness and toughness, making them ideal for hardfacing and overlay operations. These electrodes conform to the **UNS R30006** standard and correspond to **ASTM Grade CoCr-A**, ensuring consistent quality and global compatibility.



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The **ECOCR-E electrodes** from Metals And Welding Specialities are specially formulated to produce deposits with a high cobalt and chromium content. This unique alloy structure provides outstanding resistance to galling, oxidation, and corrosion at elevated temperatures. The weld metal retains its hardness even after prolonged exposure to heat, making it suitable for use in high-stress industrial operations. These electrodes are typically used in industries such as aerospace, chemical processing, valve manufacturing, power generation, and petrochemical refining, where parts are exposed to aggressive wear conditions.



Cobalt Base Alloys ECOCR-E Welding Electrodes, Cobalt Base Alloys ECOCR-E Welding Electrodes Manufacturers, Cobalt Base Alloys ECOCR-E Welding Electrodes Suppliers, Cobalt Base Alloys ECOCR-E Welding Electrodes Stockists, Cobalt Base Alloys ECOCR-E Welding Electrodes Exporters

Metals And Welding Specialities ensures that every batch of **Cobalt Base Alloys ECOCR-E Welding Electrodes** undergoes strict quality testing to meet international standards. The deposited metal forms a smooth, dense surface with minimal porosity, which results in a strong bond and extended service life. This performance characteristic makes them an excellent choice for surfacing components such as valve seats, pump impellers, turbine blades, cutting tools, and hot shear blades. The alloy's metallurgical structure gives it excellent hot hardness and resistance to scaling up to temperatures around 870°C (1600°F).

The **ECOCR-E welding electrodes** are compatible with both AC and DC power sources and exhibit stable arc performance, low spatter, and easy slag removal. Welders appreciate their consistent arc characteristics and smooth bead appearance, which reduce post-weld finishing time. The resulting overlay offers high compressive strength and remarkable resistance to cavitation and abrasion, making these electrodes suitable for both rebuilding and protective coating applications.



Cobalt Base Alloys ECOCR-E Welding Electrodes in India, Cobalt Base Alloys ECOCR-E Welding Electrodes Manufacturers in India, Cobalt Base Alloys ECOCR-E Welding Electrodes Suppliers in India, Cobalt Base Alloys ECOCR-E Welding Electrodes Stockists in India, Cobalt Base Alloys ECOCR-E Welding Electrodes Exporters in India

Metals And Welding Specialities takes pride in offering **Cobalt Base Alloys ECOCR-E electrodes** that combine advanced metallurgy with reliable performance. Their high-quality composition and proven track record make them a preferred solution for extending the lifespan of machinery and equipment exposed to extreme operating conditions. Whether you need to restore worn-out components or prevent premature wear in new parts, ECOCR-E electrodes deliver precision, consistency, and lasting performance.

Metals And Welding Specialities continues to lead in providing high-performance welding consumables that align with the most demanding industrial requirements. With consistent quality, precise chemical balance, and proven durability, the **ECOCR-B Welding Electrodes** are an ideal choice for achieving long-lasting, wear-resistant surfaces in harsh operating environments.

Specification Cobalt Base Alloys ECOCR-E Welding Electrodes



Classification	AWS A5.13, ECOCR-E
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-E Welding Electrodes Application & uses

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

Equivalent Grade Of AWS ENiCrMo-4 Welding Electrodes



Class	UNS	Stellite
ECO-CR-E	R30021	Stellite 121

Cobalt Base Alloys ECO-CR-E Welding Electrodes Chemical Composition



Grade	C	Si	Mn	Cr	Mo	Other
ECoCr-E	0.35	0.1215	1.03	28.5121	-	W 0.38

People Also Searched

ECO-CR-E welding rod, cobalt base alloy electrodes, UNS R30006 filler metal, ASTM CoCr-A welding wire, cobalt alloy hardfacing electrodes, Stellite 6 equivalent electrode, ECO-CR hardfacing rod, cobalt-chromium welding electrode, high-temperature wear-resistant electrodes, cobalt alloy surfacing rods, ECO-CR-E electrode suppliers, Metals And Welding Specialities cobalt alloy electrodes, ECO-CR-E welding filler, cobalt-based overlay electrodes, valve seat hardfacing electrodes, turbine blade repair rods, cobalt-chrome welding rods, cobalt electrode UNS R30006, CoCr-A welding electrode specification, hardfacing cobalt alloy rod, ECO-CR welding electrode price, cobalt base welding consumables, heat-resistant cobalt electrodes, cobalt alloy overlay welding rod, cobalt-chrome wear-resistant electrode, high strength cobalt filler metal, cobalt alloy maintenance welding electrodes, cobalt hardfacing material, UNS R30006 chemical composition, CoCr-A cobalt alloy properties, cobalt-chrome surfacing electrode, cobalt wear coating electrodes, ECO-CR welding electrode manufacturer, cobalt alloy repair rods, cobalt-chromium electrode price, cobalt base welding rod ASTM standard, Metals And Welding Specialities ECO-CR electrodes, cobalt welding consumables for industrial repair.