Metals And Welding Specialities is a trusted manufacturer and supplier of high-quality **ECOCR-C Welding Electrodes**, designed for superior wear resistance and exceptional performance in demanding industrial environments. These electrodes are based on **cobalt base alloys** that deliver outstanding hardness and toughness, even under high temperatures and corrosive conditions. The **Cobalt Alloy ECOCR-C** corresponds to UNS R30006 and is recognized under ASTM Grade CoCr-C, making it one of the most reliable materials for applications requiring excellent resistance to galling, oxidation, and metal-to-metal wear.

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The **ECOCR-C Welding Electrodes** are engineered to produce a hard, wear-resistant deposit that maintains its strength and surface integrity even at elevated temperatures. With a typical hardness of around 55–60 HRC, these cobalt-based electrodes are particularly suitable for hardfacing components exposed to severe abrasion, impact, and high thermal stress. Industries such as aerospace, power generation, chemical processing, and mining rely on **Metals And Welding Specialities' ECOCR-C electrodes** for their consistent welding performance and long-lasting protection against wear and corrosion.

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

This alloy's unique composition includes cobalt, chromium, and tungsten, which together provide remarkable resistance to oxidation and scaling up to approximately 1100°C. The high chromium content forms a protective film on the surface, ensuring excellent resistance to hot gases and oxidizing environments. Meanwhile, the tungsten improves hardness and mechanical strength, making **Cobalt Base Alloys ECOCR-C Electrodes** the preferred choice for surfacing valve seats, turbine blades, hot shear blades, and forging dies.

Metals And Welding Specialities produces these electrodes with precision to ensure smooth arc stability, minimal spatter, and superior weld deposit quality. The electrodes are ideal for both manual and automated welding operations, delivering consistent results across a range of base metals. Whether you are rebuilding worn parts or fabricating components that require extreme wear and corrosion protection, **Metals And Welding Specialities ECOCR-C Welding Electrodes** provide unmatched reliability and cost efficiency.

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

All products are manufactured under strict quality control standards to meet the specifications of **ASTM CoCr-C** and UNS R30006. Metals And Welding Specialities ensures every batch undergoes rigorous testing to guarantee mechanical strength, chemical composition, and metallurgical integrity. The result is a cobalt-based electrode that exceeds industry expectations for performance and durability.

With decades of metallurgical expertise, Metals And Welding Specialities continues to be a leading supplier of **cobalt base alloy welding electrodes** trusted by engineers and fabricators worldwide. Our commitment to quality, innovation, and customer satisfaction makes us the go-to source for specialized welding consumables that perform under pressure and extend component life.

Specification Cobalt Base Alloys ECOCR-C Welding Electrodes

Classification	**AWS A5.13, ECOCR-C**
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-C Welding Electrodes Application & uses	Petroleum Chemical plant Power sector Gas Industry Hardware tools Metallurgy Machinery Construction Shipbuilding

Equivalent Grade Of ECOCR-C Welding Electrodes

Class	UNS	Stellite
ECOCR-C	N08825	Stellite 1

Cobalt Base Alloys ECOCR-C 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

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ECOCR-C welding rods, UNS R30006 electrodes, ASTM CoCr-C alloy, cobalt base welding alloy, ECOCR-C hardfacing rods, cobalt chromium tungsten electrodes, stellite 6 equivalent, cobalt alloy electrodes supplier, high temperature welding electrodes, wear resistant hardfacing electrodes, cobalt chromium welding rods, ECOCR-C filler metal, Metals And Welding Specialities cobalt electrodes, cobalt-based overlay electrodes, heat resistant welding alloy, UNS R30006 welding wire, CoCr-C surfacing alloy, cobalt tungsten carbide electrode, corrosion resistant electrodes, cobalt alloy hardfacing, cobalt chromium alloy electrodes, cobalt-based surfacing wire, ECOCR-C welding consumables, cobalt superalloy electrodes, high strength cobalt electrodes, cobalt welding rod supplier India, cobalt base alloy UNS R30006, cobalt wear resistant coating, cobalt hardfacing wire, CoCr-C electrode manufacturer, cobalt base hard surfacing rods, cobalt-based filler metal supplier, cobalt heat resistant alloy, cobalt chromium carbide electrode, ECOCR-C overlay material, cobalt alloy welding filler, cobalt based welding consumables.