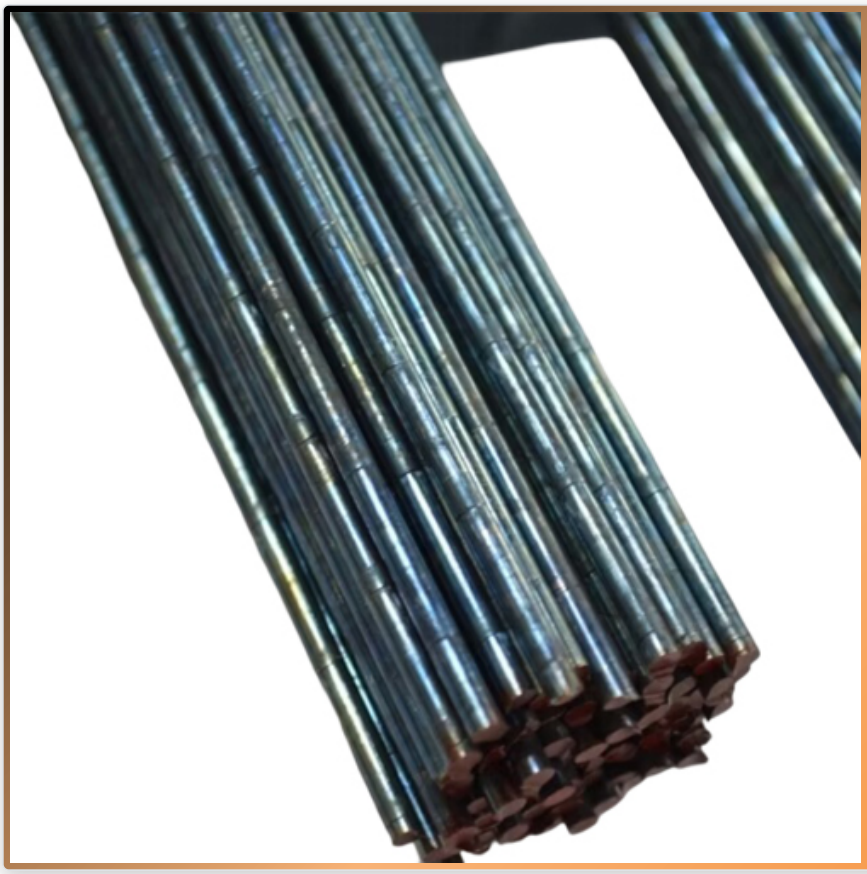
Metals And Welding Specialities is a trusted name in supplying high-performance welding consumables, and our **Cobalt Base Alloys ECOCR-B Welding Electrodes** stand as a prime example of our commitment to quality and precision. These electrodes are engineered to deliver superior wear resistance, high-temperature strength, and outstanding corrosion protection, even under extreme service conditions. The **ECOCR-B alloy** is designed in compliance with **UNS R30002** and corresponds to **ASTM Grade CoCr-B**, widely recognized in the industry for its reliable hardfacing and metal-to-metal wear applications.



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The **Metals And Welding Specialities ECOCR-B electrodes** are manufactured using premium cobalt-chromium alloys that maintain hardness and integrity even at elevated temperatures. They exhibit exceptional resistance to galling, oxidation, and impact, making them suitable for both static and dynamic wear environments. The deposit produced by these electrodes provides a tough and durable surface with a typical hardness range of 40–45 HRC, which remains stable during thermal cycling or under continuous exposure to heat.

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

These **Cobalt Base ECOCR-B electrodes** are particularly effective for rebuilding and overlaying components exposed to hot metal wear or corrosion. Common applications include turbine blades, valve seats, forging dies, pump sleeves, and hot shear blades, where the combination of wear and corrosion resistance is critical. The electrodes offer a smooth and stable arc, easy slag removal, and minimal spatter, allowing welders to achieve clean and precise weld deposits with excellent bead appearance.
Metals And Welding Specialities ensures that each batch of **ECOCR-B welding electrodes** meets stringent international standards for chemical composition and performance. The cobalt, chromium, and tungsten balance in this alloy provides superior metallurgical bonding and ensures the weld metal retains its properties even under severe mechanical stress. The weld deposit is nonmagnetic and maintains strength and toughness up to 600°C, making it a preferred choice for industries such as power generation, petrochemical processing, and aerospace maintenance.

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

Our **Cobalt Base Alloys ECOCR-B electrodes** also demonstrate remarkable resistance to corrosion from acids, oxidizing environments, and molten metals. The uniform metallurgical structure reduces cracking tendencies and enhances machinability after welding. These features make ECOCR-B a dependable solution for applications requiring long service life and reduced downtime due to part replacement or maintenance.
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-B Welding Electrodes

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

Equivalent Grade Of ECOCR-B Welding Electrodes

Class	UNS	Stellite
ECOCR-B	W73042	Stellite 12

Cobalt Base Alloys ECOCR-B Welding Electrodes Chemical Composition

Grade	C	Si	Mn	Cr	W	Co
ECoCr-B	1.43	0.56	0.98	31.62	8.67	Balance

People Also Searched

ECOCR-B welding electrodes, Cobalt base hardfacing electrodes, CoCr-B welding rods, UNS R30002 alloy electrodes, ASTM CoCr-B welding electrodes, Cobalt chromium tungsten alloy, High temperature wear resistant electrodes, Cobalt hardfacing consumables, Cobalt-based welding rods, Stellite type B electrodes, Cobalt alloy overlay electrodes, CoCr-B hardfacing material, Cobalt-chromium welding wire, ECOCR-B electrode suppliers, Cobalt base electrodes for hot wear, CoCr-B valve seat repair rods, UNS R30002 welding consumables, High strength cobalt electrodes, Cobalt chrome welding alloys, Heat resistant cobalt electrodes, ECOCR-B electrode hardness, Cobalt-chrome wear resistant overlay, Cobalt electrode for turbine blades, ECOCR-B electrodes India, Metals And Welding Specialities cobalt alloys, ECOCR-B welding filler metal, Cobalt alloy electrode specifications, Cobalt base alloy UNS R30002, ASTM CoCr-B electrode composition, Cobalt base welding consumables, Cobalt alloy electrode applications, ECOCR-B welding repair, Cobalt chromium hardfacing electrode, Cobalt-based wear resistant material, UNS R30002 cobalt electrode manufacturer, Cobalt welding rod mechanical properties, ECOCR-B cobalt alloy filler metal