When you need a high-performance coated electrode for demanding heat-resisting and corrosion-resistant welds, Metals And Welding Specialities is proud to offer the EutecTrode EC 33300 coated electrode. This electrode is engineered for reliability in high-temperature service, where scale resistance, oxidation resistance, and weld integrity are critical. The EutecTrode EC 33300 is a rutile-basic coated stick electrode that delivers a fully austenitic weld deposit, combining superior corrosion resistance with good weldability in complex conditions. The weld metal produced resists oxidation and scaling at temperatures up to 1,200 °C, and is capable of operating in reducing, sulfurous atmospheres up to about 650 °C. (Castolin's datasheet describes this performance envelope.)

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From a materials spec standpoint, the EC 33300 electrode corresponds to the AWS classification E310-16 (as given in the manufacturer's technical data). It is also referenced under EN ISO 3581-A as E 25 20 R 12 in European standards. While the UNS number is not publicly stated in many data sheets, a logical association is to UNS S33300 given the matching "33300" designation

frequently correlated with stainless grade 333 (although confirm this in your purchasing spec). (Note: Grade 333 is better known in bar/rod form as UNS S33300 in stainless alloys references.)

EutecTrode EC 33300 Welding Electrodes, EutecTrode EC 33300 Welding Electrodes Manufacturers, EutecTrode EC 33300 Welding Electrodes Suppliers, EutecTrode EC 33300 Welding Electrodes Stockists, EutecTrode EC 33300 Welding Electrodes Exporters

In practical application, EutecTrode EC 33300 is suited for joining similar or dissimilar metals, especially in high temperature or corrosive environments. It is often chosen to join austenitic CrNi steels such as 1.4837, 1.4840, and 1.4841 grades, and to bridge dissimilar welds between low-alloy steels (such as P235 GH, P265 GH) and high alloy stainless steels. The electrode exhibits stable arc characteristics under both AC and DC, and is usable in most welding positions (except planar overhead in some cases), making it versatile for maintenance and fabrication settings.

To achieve optimal performance, the base metal and weld joint area must be clean and free of scale or contaminants. Preheat or re-drying at about 350 °C for one hour is recommended to remove moisture. Interpass temperatures should be limited, typically below ~150 °C, when welding similar alloys to avoid hot cracking. Use an austenitic wire brush to clean slag between passes. Because the electrode is coated, slag is self-forming and protective, and must be chipped away cleanly before continuing. The fully austenitic weld metal reduces the risk of embrittlement or sigma phase formation under many service conditions, preserving ductility and corrosion resistance over long service life.

EutecTrode EC 33300 Welding Electrodes in India, EutecTrode EC 33300 Welding Electrodes Manufacturers in India, EutecTrode EC 33300 Welding Electrodes Suppliers in India, EutecTrode EC 33300 Welding Electrodes Stockists in India, EutecTrode EC 33300 Welding Electrodes Exporters in India

When you source EutecTrode EC 33300 from Metals And Welding Specialities, you benefit from quality assurance in handling and supply chain integrity. We ensure that the coated electrodes are stored in low-moisture, sealed packaging and delivered ready for use. Our technical support can assist you with amperage selection, weld parameters, and qualification testing to meet your project standards. Whether your application involves high temperature oxidation resistance, furnace components, exhaust systems, or critical process equipment, the EutecTrode EC 33300 offers a compelling solution balancing weldability, heat resistance, and corrosion control.

Specification EutecTrode EC 33300 Welding Electrodes

Specification	Detail
Product name	EutecTrode EC 33300
Type	Rutile-basic coated stick electrode
Weld metal	Fully austenitic, corrosion-resistant
Temperature resistance	Scale resistant up to 1,200 °C; resistant in reducing, sulphurous atmosphere up to 650 °C
Standards / Classification	EN ISO 3581-A: E 25 20 R 12; AWS A5.4: E310-16

Applications	Joining similar alloyed heat-resisting CrNi steels and dissimilar joints between unalloyed/low-alloy steels and high-alloy austenitic CrNi steels
Welding positions	All except PG (f)
Current type / Polarity	DC+ (straight) or AC
Open-circuit voltage	≥ 70 V
Code	100305
Category	Highly alloyed
Number in package (typical)	5.0 kg

EutecTrode EC 33300 Welding Electrodes Parameters

Parameter	Value
Product name	EutecTrode EC 33300
Coating	Rutile-basic coated stick electrode
Weld metal	Fully austenitic, corrosion-resistant
Scale resistance	Up to 1,200 °C
Resistance in reducing/sulphurous atmosphere	Up to 650 °C
EN ISO 3581-A	E 25 20 R 12
AWS classification	A5.4: E310-16
Welding positions	All except PG (f)
Current type	DC+ (= +) or AC (~)
Open-circuit voltage	≥ 70 V
Interpass temperature (when welding similar alloys)	Limit to 150 °C
Typical applications	Joining heat-resisting CrNi steels and dissimilar joints to unalloyed/low-alloy steels
Product code	100305
Number in package	5.0 kg

People Also Searched

EutecTrode 33300 electrode, E 310-16 electrode, UNS S33300 electrode, Grade 333 electrode, 310 stainless welding rod, 33300 stick electrode, EC 33300 welding rod, heat resisting stainless electrode 33300, CrNi austenitic electrode 310, ASTM A5.4 E310 electrode, E 25 20 R 12 electrode, EN ISO 3581 E 25 20 R 12, 330 stainless electrode, 310S24 electrode, 310S electrode, 310 welding rod, 310 stainless steel electrode, welding rod for high temp alloys, rutile basic coated electrode, austenitic stainless welding rod, stainless electrode 333, corrosion resistant electrode 310, 310 electrode AWS, high temperature electrode, furnace

weld electrode, scaling resistant electrode, oxidation resistant welding rod, E310-16 coated stick, 333 grade stainless electrode, high heat electrode CrNi, 33300 flux coated electrode, EC-33300 rod, 33300 welding rod.