

Engineered for exceptional wear resistance and superior metallurgical performance, **EutecDur N 9060 Welding Electrodes** are designed to deliver reliable, high-strength weld overlays in demanding industrial environments. Manufactured and supplied by **Metals And Welding Specialities**, this premium electrode ensures outstanding bonding strength, uniform deposition, and long-lasting protection against abrasion, impact, and corrosion. Developed using advanced metallurgy, it is ideal for applications requiring tough, wear-resistant surfaces on carbon steels, low alloy steels, and manganese components.



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The **EutecDur N 9060** electrode conforms to **UNS W60060** and meets **ASTM A297 Grade HF** specifications, ensuring global compatibility and adherence to recognized standards. This coating formulation offers a smooth arc, minimal spatter, and a self-releasing slag system, making it easy to use for both manual and automated welding operations. The resulting deposit forms a dense, crack-resistant structure with a uniform hardness profile, providing superior durability even under cyclic wear conditions.



EutecDur N 9060 Welding Electrodes, EutecDur N 9060 Welding Electrodes Manufacturers, EutecDur N 9060 Welding Electrodes Suppliers, EutecDur N 9060 Welding Electrodes Stockists, EutecDur N 9060 Welding Electrodes Exporters

Metals And Welding Specialities supplies **EutecDur N 9060 Welding Electrodes** for industries such as cement, mining, steel production, and heavy equipment repair—sectors where machinery components are continuously subjected to abrasion, erosion, and impact. The electrode's high-chromium alloy composition enhances its ability to withstand extreme service conditions, extending the life of crusher jaws, mill hammers, earthmoving tools, and other critical wear parts. Its metallurgical stability ensures that the weld overlay maintains its hardness even after prolonged exposure to heat and stress, reducing downtime and maintenance costs.

Each **EutecDur N 9060 electrode** is precisely engineered to offer consistent results across all diameters and amperage ranges. Its advanced flux coating promotes stable arc characteristics and deep fusion, allowing welders to achieve excellent penetration and strong bonding with minimal dilution. The finished welds exhibit smooth, even bead appearance and excellent edge wetting, eliminating the need for excessive finishing operations.



EutecDur N 9060 Welding Electrodes in India, EutecDur N 9060 Welding Electrodes Manufacturers in India, EutecDur N 9060 Welding Electrodes Suppliers in India, EutecDur N 9060 Welding Electrodes Stockists in India, EutecDur N 9060 Welding Electrodes Exporters in India

At **Metals And Welding Specialities**, quality assurance is at the heart of every production batch. Our electrodes undergo stringent testing for mechanical strength, hardness uniformity, and metallurgical integrity to guarantee performance that meets or exceeds industry standards. The **EutecDur N 9060** series represents a perfect blend of innovation and reliability—delivering consistent wear protection that enhances the operational life of critical components and machinery.

When precision, durability, and metallurgical excellence matter, **EutecDur N 9060 Welding Electrodes** stand as the preferred choice for professional welders and maintenance teams worldwide. Backed by the technical expertise of **Metals And Welding Specialities**, this electrode ensures dependable performance, reduced rework, and optimized productivity in every welding operation.

## Specification EutecDur N 9060 Welding Electrodes



### EutecDur N 9060 – Technical Specification

<b>Product name</b>	EutecDur N 9060 (also marketed as EutecDur 9060N / EutecTrode N9060)
<b>Electrode type / coating</b>	Rutile-basic coated manual electrode (Co-based weld metal)
<b>Deposit / alloy</b>	Cobalt-based alloy, Cr- and W-alloyed (Stellite-type, Grade ~6 behaviour)
<b>Standards / classification</b>	DIN EN 14700: E Co2 – AWS A5.13: ECoCr-A
<b>Typical hardness (as deposited)</b>	~37–41 HRC (typical reports ~39–41 HRC / approx. 40 HRC)

<b>Typical tensile strength</b>	~724 N/mm <sup>2</sup> (≈105,000 psi) – reported in technical data sheets
<b>Density (deposit)</b>	~8.4 kg/dm <sup>3</sup>
<b>Welding polarity / current</b>	AC or DC+ (suitable for AC and DC+ welding)
<b>Key properties</b>	High temperature hardness stability, excellent anti-galling, good resistance to abrasion, erosion, cavitation and corrosion; creep and hot-impact resistant
<b>Typical applications</b>	Valve seats/plugs, pump sleeves, hot work dies, screw conveyors, parts subject to combined wear, heat and corrosion

## EutecDur N 9060 Welding Electrodes Parameters



Parameter	Value
Product name	EutecDur N 9060 / EutecTrode N9060
Alloy base	Cobalt-based alloy (Co-base)
AWS classification	A5.13 – ECoCr-A
DIN / EN classification	EN 14700: E Co2
Typical hardness (as deposited)	~37–41 HRC (commonly quoted ≈40 HRC)
Hot hardness	Approximately 20 HRC at 1200°F (≈649°C)
Density (deposit)	≈8.4 kg/dm <sup>3</sup>
Typical mechanical strength	Tensile strength in the range of ~700–800 MPa (approx. references list ≈724 N/mm <sup>2</sup> / 105,000 psi)
Deposit chemistry (typical description)	Cobalt-based deposit alloyed with chromium and tungsten (Cr, W) – corrosion- and heat-resistant composition
Coating / flux type	Rutile-basic type (rutile/basic coated)
Current & polarity	DCEP (+) and AC
Welding characteristics	Dense, high-quality deposit; retains hardness at elevated temperatures; resistant to abrasion, corrosion and hot wear
Typical applications	Valve seats/plugs, hot work dies, pump sleeves, screw conveyors, parts exposed to abrasion + corrosion + heat

## People Also Searched

EutecDur N 9060 chemical composition, UNS W60060 welding rod, ASTM A297 HF electrode, wear resistant electrodes, hardfacing electrodes, high chromium alloy electrode, surfacing welding rod, abrasion resistant electrode, EutecDur welding rods, wear plate repair electrodes, chromium carbide electrode, hardfacing for crusher parts, overlay welding electrode, manganese steel repair rod, anti-wear electrode, heavy equipment repair welding rod, metallurgical wear electrodes, Eutectic hardfacing electrode, industrial welding consumables, welding electrodes for cement plants, mining wear repair electrode, steel mill repair electrode, high hardness welding rod, welding electrodes ASTM A297, UNS W60060 filler metal, EutecDur electrode supplier India, high strength weld overlay electrode, flux coated hardfacing rod, durable wear repair electrode, maintenance welding rod, impact

resistant electrode, metal wear protection electrode, abrasion repair electrode, weld overlay alloy electrode, EutecDur N series electrodes, surfacing rod for steel, heat resistant welding electrode, EutecDur 9060 hardfacing electrode, Metals And Welding Specialities electrodes.