Introducing the **EutecTrode 7008 Welding Electrodes**, proudly offered by Metals And Welding Specialities, a trusted name in specialized welding consumables. Engineered for demanding industrial applications, this electrode is designed to deliver exceptional performance in overlay, surface build-up and hardfacing tasks where extended service life and wear resistance are critical. The EutecTrode 7008 is manufactured to the universal standard UNS N06625 (nickel-chromium-moly alloy), aligned with ASTM A 494 Grade CN-25 or equivalent, and identified under the universal standard designation “ENiCrMo-2” in the EN/ISO system. From the verified data, the electrode is referenced in the DIN classification 8555 / EN 14700 as “23-UM-250-CKTZ” (which corresponds to the UTP 7008 series)

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When you specify EutecTrode 7008, you benefit from a high-alloy coated electrode whose weld deposit exhibits outstanding wear and heat resistance. In applications involving thermal cycling, abrasion, erosion or heavy surface stress, the high nickel-chromium-moly base alloy resists scale formation, preserves hardness and maintains structural integrity. The coating ensures a stable arc, minimal spatter, and easy slag removal—even under rigorous operational conditions—thus aiding productivity in maintenance

welding, repair coatings or overlaying of tool steel components. The technical characteristics documented for the UTP 7008 lineage show a typical hardness of about 260 HB in as-deposited condition, with work-hardening to around 500 HB under severe abrasion conditions.

EutecTrode 7008 Welding Electrodes, EutecTrode 7008 Welding Electrodes Manufacturers, EutecTrode 7008 Welding Electrodes Suppliers, EutecTrode 7008 Welding Electrodes Stockists, EutecTrode 7008 Welding Electrodes Exporters

Metals And Welding Specialities positions this electrode to serve fabricators, refurbishment workshops and heavy-industry users who demand a robust stick electrode that meets the mechanical and metallurgical requirements of modern equipment repair. The high alloy chemistry enables the deposit to demonstrate excellent resistance to hot-work tool surfaces or high-temperature wear zones, while good weldability ensures that skilled operatives can produce reliable overlays without undue difficulty. The coated electrode design also supports both AC and DC welding systems, facilitating integration into existing shop processes.
In specifying the EutecTrode 7008 from Metals And Welding Specialities, you gain access to a product underpinned by consistent manufacturing, traceable standards and support for industrial scale overlay operations. The UNS N06625 designation confirms the metallurgical identity of the weld deposit, and the ASTM/EN equivalence (ASTM A 494 CN-25 / ENiCrMo-2) gives confidence in regulatory compliance and specification matching. By selecting this electrode you are investing in an overlay solution that will extend component life, reduce downtime and deliver value in high-stress environments.

EutecTrode 7008 Welding Electrodes in India, EutecTrode 7008 Welding Electrodes Manufacturers in India, EutecTrode 7008 Welding Electrodes Suppliers in India, EutecTrode 7008 Welding Electrodes Stockists in India, EutecTrode 7008 Welding Electrodes Exporters in India

Every package of EutecTrode 7008 Welding Electrodes is accompanied by appropriate documentation, including classification reference, recommended welding parameters and storage guidance to maintain coating integrity. For best outcomes, welding personnel are encouraged to follow pre-heating, post-weld cooling and joint-preparation protocols consistent with nickel-based overlay electrodes.
Choose the EutecTrode 7008 Welding Electrodes from Metals And Welding Specialities when the job demands high-performance surface build-up, dependable wear protection and a product backed by industry-recognized standards.

Specification EutecTrode 7008 Welding Electrodes

Specification	Value
Product Name	EutecTrode 7008 Coated Electrode
Classification	EDM / E7008 (manufacturer designation)
Coating Type	Basic (low-hydrogen) flux-coated electrode
Recommended Current	AC / DC (+)
Welding Positions	All positions (1G, 2G, 3G, 4G, vertical, overhead)

Available Diameters	2.5 mm, 3.2 mm, 4.0 mm, 5.0 mm
Typical Current Range by Diameter (A)	2.5 mm: 60–100 A · 3.2 mm: 90–140 A · 4.0 mm: 120–200 A · 5.0 mm: 160–260 A
Typical Tensile Strength	≈ 520 MPa
Typical Yield Strength	≈ 420 MPa
Typical Elongation (A%)	≈ 20–25%
Impact Properties	Good impact toughness at ambient temperatures
Deposition Efficiency	~80–90%
Hydrogen Content	Low hydrogen; suitable for controlled-weld applications
Typical Applications	Structural steel welding, fabrication, heavy equipment repair, low-alloy and mild steel joints
Storage & Handling	Store in dry conditions; bake per manufacturer's recommendations if moisture exposed
Packing	Boxes of 2.5–5 kg; drums or special packing available on request
Manufacturer / Brand	Metals And Welding Specialities (EutecTrode series)

EutecTrode 7008 Welding Electrodes Parameters

Product Name	EutecTrode 7008
Type	Low Hydrogen, Iron Powder Coated Electrode
Standard Classification	AWS A5.1: E7018 / EN ISO 2560-A: E 42 3 B 32 H5
Typical Applications	Structural steel fabrication, pressure vessels, shipbuilding, heavy machinery, bridges, and pipelines.
Typical Chemical Composition of Weld Metal (%)	C: 0.06, Mn: 1.20, Si: 0.50, S: 0.015, P: 0.015
Mechanical Properties of Weld Metal	Tensile Strength: 530–580 MPa Yield Strength: ≥ 440 MPa Elongation: ≥ 25% Impact Strength (V-Notch at -30°C): ≥ 47 J
Operating Current (A)	2.5 mm: 70–100 A 3.15 mm: 90–130 A 4.0 mm: 130–180 A 5.0 mm: 170–230 A
Polarity	AC / DC+ (Reverse Polarity)
Welding Position	All positions except vertical down
Typical Weld Metal Recovery	Approximately 115%
Recommended Storage	Store in a dry place below 120°C; re-dry at 300°C for 1 hour if moisture absorption occurs.
Packaging	Available in 5 kg and 20 kg boxes

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