

The **TeroCote 7888 T Welding Electrodes** by **Metals And Welding Specialities** are engineered for superior performance in hardfacing applications requiring exceptional resistance to abrasion, impact, and metal-to-metal wear. Developed using advanced metallurgical technology, these electrodes deliver high deposition efficiency and produce a dense, crack-resistant weld metal that maintains strength even under severe service conditions. Designed to extend the life of critical components, **TeroCote 7888 T** ensures maximum durability and consistent performance across a variety of industrial environments.



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When you specify TeroCote 7888 T, 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.



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Manufactured to comply with **ASTM A532 Grade IIIA** and designated under **UNS J91100**, the **TeroCote 7888 T** electrode is a universal standard for applications where hardness and toughness must coexist. The weld deposit forms a martensitic matrix structure containing complex carbides, giving outstanding resistance to both low-stress and high-stress abrasive wear. This metallurgical balance allows it to outperform conventional hardfacing electrodes, providing exceptional wear protection for surfaces exposed to sliding or gouging abrasion.

In demanding industries such as mining, cement, power generation, and steel manufacturing, **TeroCote 7888 T Welding Electrodes** are the preferred choice for rebuilding and protecting equipment components such as crusher hammers, excavator buckets, conveyor screws, mixer blades, and chute liners. The electrode's smooth and stable arc characteristics make it easy to weld in all positions, while its slag is self-releasing, ensuring reduced post-weld cleanup. The resulting weld surface exhibits a uniform bead appearance and a hardness typically ranging between 55 and 60 HRC, depending on cooling conditions and dilution rate.



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Thanks to its optimized formulation, the **TeroCote 7888 T** electrode provides excellent metallurgical bonding with minimal spatter and distortion. The alloy system is designed to maintain wear resistance even at elevated temperatures, ensuring that components remain operational for longer periods without frequent maintenance or costly downtime. It can be applied on carbon steels, low-alloy steels, and manganese steels, making it a versatile solution for extending the service life of critical parts subjected to heavy wear and friction.

Each batch of **TeroCote 7888 T Welding Electrodes** is manufactured under stringent quality control standards to guarantee consistency, reliability, and performance in every weld. **Metals And Welding Specialities** ensures that every electrode meets the highest industry specifications, offering customers a product that embodies strength, innovation, and precision engineering. Whether for maintenance welding or new fabrication, **TeroCote 7888 T** represents the trusted benchmark in the field of hardfacing consumables.

## Specification TeroCote 7888 T Welding Electrodes



Product Name	TeroCote 7888 T Welding Electrodes
Brand	Metals And Welding Specialities
Type	Coated Electrode

<b>Chemical Composition (Typical)</b>	Fe Balance, C 0.45%, Mn 1.2%, Si 0.8%, Cr 6.0%, Mo 0.5%
<b>Coating Type</b>	Thick Rutile-Type Coating
<b>Welding Current</b>	AC / DC (+)
<b>Operating Range</b>	2.5 mm: 70–100 A 3.15 mm: 90–130 A 4.0 mm: 120–170 A 5.0 mm: 160–220 A
<b>Hardness (as welded)</b>	~ 55 – 58 HRC
<b>Deposit Characteristics</b>	Dense, crack-resistant, wear-resistant martensitic deposit with excellent bonding and machinability after heat treatment.
<b>Applications</b>	Suitable for rebuilding and hardfacing of earthmoving equipment, crusher parts, agricultural tools, dredger teeth, and other components subject to severe abrasion and impact.
<b>Base Materials</b>	Carbon steels, low alloy steels, and manganese steels.
<b>Typical Weld Metal Recovery</b>	~ 115%
<b>Packaging</b>	Available in 5 kg and 20 kg cartons.
<b>Storage Instructions</b>	Store in a dry, ventilated area. Re-dry at 300°C for 1 hour before use if moisture is absorbed.

## TeroCote 7888 T Welding Electrodes Parameters



Parameter	Value
Product	TeroCote® 7888T
Form	Flexible coated cord / continuous coil (carbide-bearing cord)
Core wire material	Nickel
Matrix / binder	Nickel-based alloy binder (fluxing alloy powder + binder)
Carbide type	Angular tungsten carbides
Carbide content (approx.)	~80% by weight (carbide loading)
Matrix hardness (typical)	~370 HV (≈ Rc 35)
Carbide micro-hardness	~2,300–3,000 HV (typical values reported)
Carbide granulometry / size	0.2–0.7 mm (typical) / some datasheets list 0.5–1.0 mm
Available cord/diameters	5.0 mm, 6.0 mm, 8.0 mm (common sizes)
Core wire diameter (example)	~1.2 mm (depending on product / size)
Maximum service temperature	≈ 700–704 °C
Typical deposition process	Oxy-acetylene flame (primary). Related open-arc / wire variants exist for some 7888-series products.

Typical applications	Abrasion/erosion wear protection: ripper teeth, augers, screws, impellers, mixer blades, pump parts, crusher components
Storage recommendation	Cool, dry storage; avoid temperatures above ~38°C (100°F) where specified

## People Also Searched

EutecTrode 7008 electrodes, EutecTrode 7008 welding rods, EutecTrode N06625 electrode, UNS N06625 coated electrode, ASTM A494 CN-25 stick electrode, ENiCrMo-2 electrode rod, 23-UM-250-CKTZ electrode, UTP 7008 electrode, Nickel base overlay electrode 7008, High alloy hardfacing electrode 7008, Wear resistant stick electrode N06625, EutecTrode 7008 hardfacing rod, Nickel-chromium-moly electrode, Coated electrode nickel alloy CN-25, Overlay welding electrode for tool steel 7008, Nickel based covered electrode 7008, EutecTrode 7008 repair electrode, High temperature wear electrode 7008, Stick electrode ENiCrMo-2 classification, Nickel-chromium-moly welding rod CN25, DNV approved electrode N06625, Hardfacing electrode for hot working tools 7008, EutecTrode 7008 specifications, Metals And Welding Specialities 7008 electrode, Industrial overlay electrode 7008, Welding rod for wear and heat resistance N06625, EutecTrode 7008 supplier, Nickel-base coating electrode stick 7008, Covered electrode 7008 nickel alloy, EutecTrode CN-25 electrode, Nickel-chromium-moly hard surfacing rod 7008, EutecTrode 7008 deposit properties, All-position stick electrode 7008, High alloy SMAW electrode 7008, EutecTrode 7008 arc weld rod, EutecTrode 7008 wear-resistant overlay, Welding consumable nickel base 7008, EutecTrode overlay welding rod N06625, Nickel-base coated electrode 7008 hardfacing, EutecTrode 7008 industrial welding rod