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ELECTROSEAL - 312

Universal Electrode for Joining All Types of Steel

A high-performance electrode designed to deliver a strong, corrosion- and oxidation-resistant weld metal. Ideal for applications involving dissimilar steels or build-up work, it produces welds with excellent mechanical strength and ductility. Its non-diluting weld characteristics make it particularly effective for joining thick, unknown, or hard-to-weld steels. Additionally, the weld metal maintains integrity at elevated temperatures, making this electrode suitable for high-heat service conditions.

ALLOY BASE : Fe, Cr, Ni, Mn

KEY ADVANTAGES

- Exceptionally stable and smooth arc behavior
- Reliable alloy composition for consistent weld quality
- Compatible with all steel types for universal bonding
- Slag detaches effortlessly, minimizing cleanup

APPLICATIONS :

Ideal for joining unknown, hard-to-weld, and dissimilar steels. Used in repairing shafts, gears, couplings, pump casings, spindles, and as a buffer layer before hardfacing in mining and crusher components.

PROPERTIES :

UTS : 79-86 kg/mm²

Elongation : 22-29% CURRENT RANGE: (AC 70, DC±)

Size (mm)	Length (mm)	Current Range (Amp)
2.50	350	50-80
3.15	350	75-110
4.00	350	100-140
5.00	350	130-160