



A Special Cast Rod of Nickel, Chromium,
Boron, and Silicon with Superior Wear,
Oxidation, and Scaling Resistance

Xuper® **EutecBor 9000**



- Excellent galling, abrasion and general corrosion resistance
- Dense, smooth deposits polish in service
- Low coefficient of friction helps battle metal-to-metal adhesive wear
- Self-fluxing
- Viscous puddle control allows fast, easy deposition and build-up

Xuper® EutecBor 9000

Xuper EutecBor 9000 is a self-fluxing brazing rod with a wide range of wear-resisting properties. Deposits resist softening at elevated temperatures, and at “red heat” show little if any scaling. Deposits are non-magnetic and non-sparking.

Xuper EutecBor 9000 can be applied to most steels, including stainless steels, nickel alloys, and cast irons.

TECHNICAL DATA

Typical Values

Temperature Range:	1850 - 2000°F (1010 - 1093°C)
Macro-Hardness:	HRC 58 - 60
Hot Hardness	DPH 585 at room temp. DPH 440 at 1000°F (537°C) DPH 250 at 1200°F (649°C)
Wear Resistance (ATSM G65):	9 - 11 mm ³

PROCEDURE FOR USE

PREPARATION: Lightly grind the part to be coated to facilitate quicker bonding. Clean joint area with RotoClean OS or use a VOC-free solvent. Preheat broadly at first then locally to 1000°F - 1200°F (1010 - 1093°C).

Note: When brazing on cast iron make sure to prepare the surface by searing using an oxidizing flame. This will help to remove free graphite from the surface and help with bonding.

TECHNIQUE: Use a large neutral flame to 1x carburizing. Do not use an oxidizing flame as this can reduce the self fluxing properties and oxidize the wear resistant carbides. After preheating, deposit the filler metal using a continuous “drop-and-melt” technique. Continue until the surface is built-up slightly oversize.

POST-BRAZING: Allow part(s) to cool naturally in still air or wrap in a heat-retardant material such as vermiculite or silicone blanket.

TYPICAL APPLICATIONS

Excellent for hardfacing valve seats, engine tappets, tool rests, cam lobes, cam seal rings, ceramic die cutters, plug gauges, cement pump screws, auger flights and core drills.



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