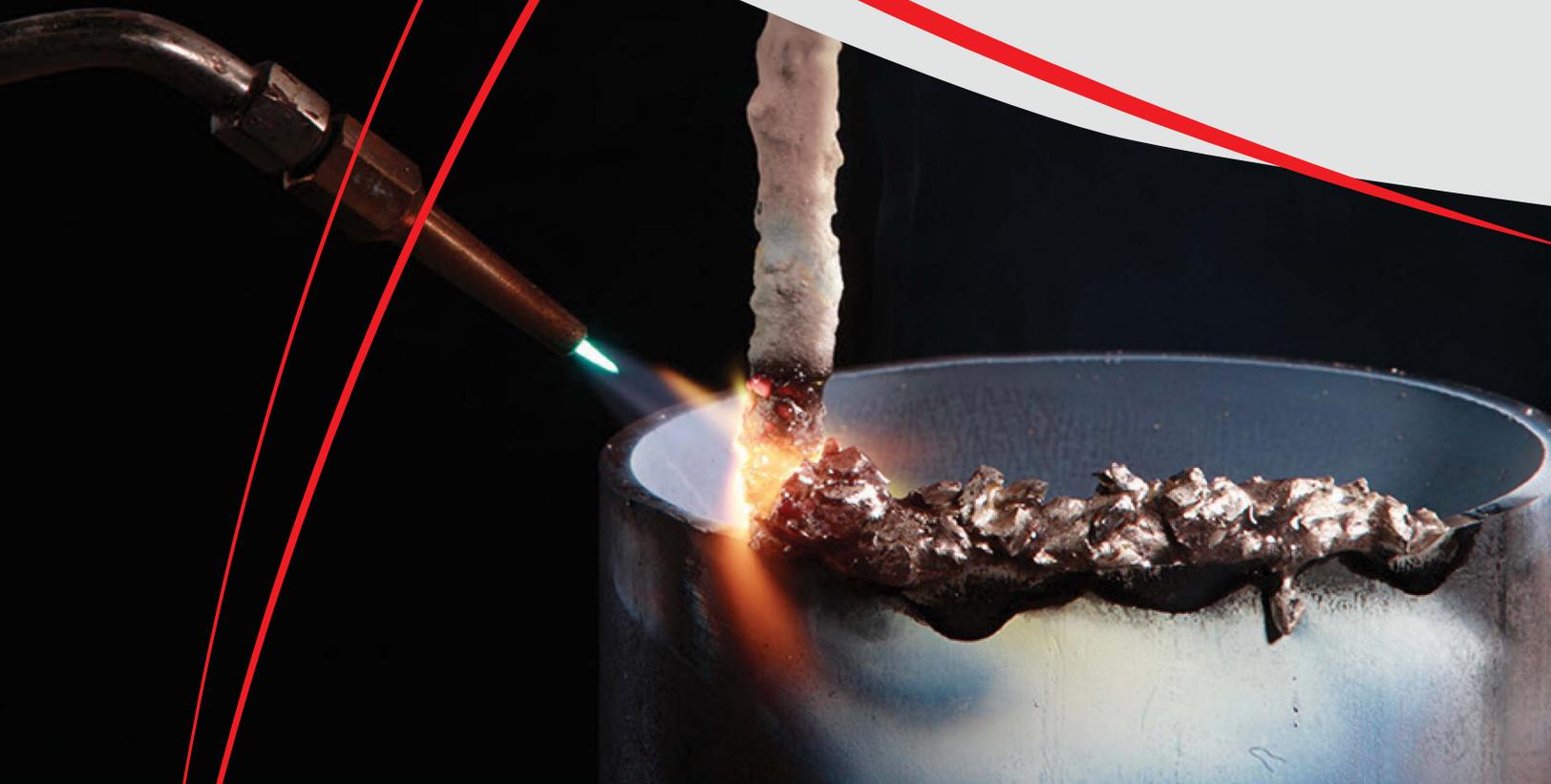




Premium Tungsten Carbide Rod
with High Abrasion Resistance

Xuper® DrillTec

8800



- Recommended for use on steels and cast iron
- Bonding occurs at a temperature well below critical temperature of ferrous metals
- Outstanding “cutting action”
- Excellent resistance to wear caused by abrasion and impact
- Diamax® particles offer excellent resistance to erosive attack

Xuper® DrilTec 8800

Xuper DrilTec 8800 is a torch alloy manufactured under rigorous conditions which prevent loss of de-oxidizers and Diamax particle erosion. The alloy formulation consists of hard Diamax particles dispersed throughout a copper-base alloy that forms the matrix. 8800 alloys also include the most advanced, ATMOSIN containing XFC flux coatings for maximum deoxidizing and cleansing action during deposition. Improved weldability permits bonding at a temperature well below the critical temperatures of ferrous metals. Recommended for use on steels and cast iron.

TECHNICAL DATA

Typical Values

Hardness (Diamax Particles):	RA 89 - 91
Hardness (Matrix):	200 BHN
Bonding Temperature:	1400 - 1600°F (760 - 870°C)

Matrix alloy work hardens in service.

SIZES AVAILABLE:

Flux Color	Diamax Mesh Size Range
Blue	-1/4" + 3/16" (-6.4mm +5mm)
Yellow	-3/16" + 1/8" (-5mm +3.2mm)
Pink	-1/8" + 1/16" (-3.2mm +1.6mm)

PROCEDURE FOR USE

Clean and degrease the surface. Use the "pure matrix" end where pre-tinning is required. Use a neutral flame with a large tip size to achieve a broad flame. Heat tinned area to melting temperature, then direct flame onto rod until flux melts and alloy begins to flow out. Continue heating the work slightly ahead of the melting flux and alloy. Rotating the rod assures uniform distribution of Diamax particle. Avoid working in too closely with inner flame cone to avoid overheating.

TYPICAL INDUSTRIES

- Agriculture
- Construction & Earth Moving
- Mining & Quarry
- Municipal Highway Departments
- Petroleum
- Utilities

TYPICAL APPLICATIONS

- Augers
- Bucket Teeth
- Burning Shoes
- Composite Drills
- Cutters
- Drills
- Masonry Drills
- Plowshares
- Reamers
- Pilots
- Junk Bits
- Earth Moving Equipment
- Rotary Cutting Bits
- Rotary Cutters
- Rotary Cutting Shoes
- Drill Nuts



Eutectic Corporation:
N94 W14355 Garwin Mace Dr.
Menomonee Falls WI, 53051 USA
+1 800. 558. 8524 • eutectic.com

Eutectic Canada:
428, rue Aimé-Vincent Vaudreuil-Dorion,
Québec J7V 5V5 Canada
+1 800. 361. 9439 • eutectic.ca



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