



Specialty Developed Powders for
OEM and Repair Applications
on Glass Mold Parts

Eutectic[®] 9000 Series Powders



- Reduced overspray is achieved through careful control of the chemical composition and particle size distribution
- Special “wetting agents” result in good fluidity
- Reduced Boron content improves machinability
- Extremely versatile, suitable for use on a wide range of glass mold base metals

Eutectic® 9000 Series Powders

The 9000 Series of powders have been specially developed for OEM and repair applications on Glass Mold parts. They are suitable for use with the SuperJet, UltraJet and the Eutalloy B System.

Coatings of Eutectic 9001 are generally used for OEM applications on cast iron and or aluminum bronze molds.

Coatings of Eutectic 9002 & 9003 are used for both OEM and repair applications on cast iron and or aluminum bronze molds.

Coatings of Eutectic 9005 have unlimited build up capability and can be machined with carbide tool bits.

TECHNICAL DATA

POWDER PROPERTIES

Typical Values	
Composition:	Alloys of Nickel, Silicon and Boron plus a special wetting/fluxing agent.
Hall Flow:	13-14 seconds
Apparent Density:	4.6 - 4.8 g/cc

COATING PROPERTIES

Typical Macro Hardness:	
Eutectic 9001	HRC 25 (+/- 2)
Eutectic 9002	HRC 15 (+/- 2)
Eutectic 9003	HRC 18 (+/- 2)
Eutectic 9005	HRC 38 (+/- 2)

PROCEDURE FOR USE:

FINISHING	
Eutectic 9001	- Use conventional single point tooling - Less tool wear
Eutectic 9002	- Use single point tooling or hand files - Good machinability
Eutectic 9003	- Use single point tooling or hand files - Good machinability
Eutectic 9005	- Use carbide tool bits - Good machinability

TYPICAL APPLICATIONS

Eutectic 9001: Preform Blanks (corners, seams, necks and matches), Finish Molds (corners, seams, bottom plates and neck matches), Finish Guide Rings. Bottom Plates, Baffle and Blow Heads.

Eutectic 9002: Finish Neck Rings, Preform Blanks (corners and seams), Finish Molds (corners and seams).

Eutectic 9003: Blow Heads, Finish Molds (corners and seams).

Eutectic 9005: Press and Blow Plungers and Baffles.

