



**AMES
GOLDSMITH**
Corp.

DEVELOPMENT PRODUCT

Silver Powder Type S2-30

GENERAL DESCRIPTION

Medium density mono-dispersed 30 nm silver powder

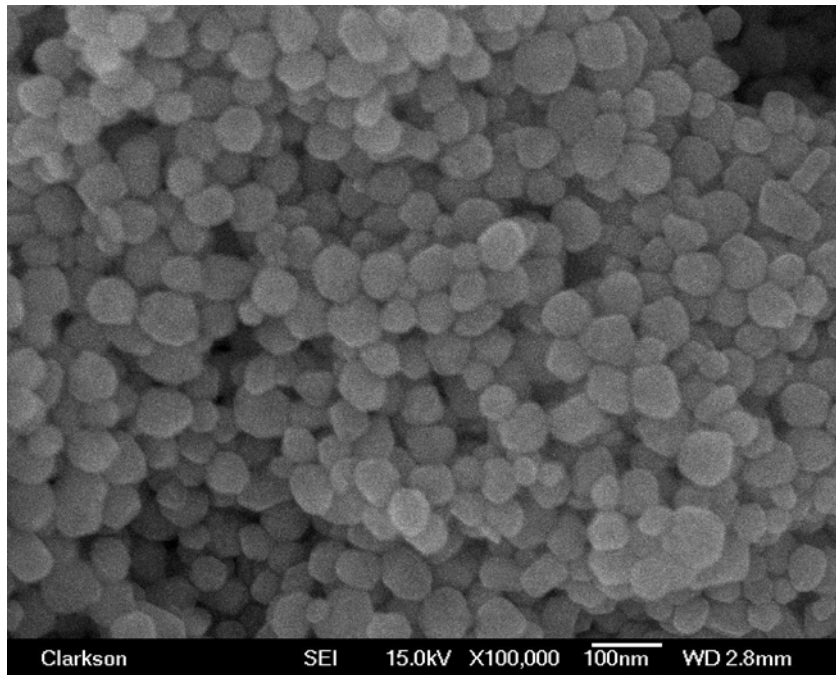
APPLICATIONS

Fired and non-fired thick film paste systems for fine line printing (ex. Ink jet printing)
Viscosity modification of pastes and inks
Sintering modifier for fired systems
Antibacterial agents

TYPICAL PROPERTIES

Physical Data:		Particle Size Distribution:	
Tap Density:	2.0-4.0 g/cm ³	D10	10 nm
Surface Area:	10.0 –16.0 m ² /g	D50	30 nm
Loss on Drying: (1 hour @ 110°C in air)	<1.0 %	D90	50 nm
Loss on Ignition (1 hour @ 538°C in air)	<2.5 %		
Avg. Particle Size by FSEM	25-45 nm	PSD determined by FSEM	

This product is also available “wet”, dispersed in a solvent of choice.



Released: 11/07

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