

Metallograph™ Conductive Inks

NANO-PARTICLES DELIVER HIGH CONDUCTIVITY AND COST SAVINGS

Metallograph Flexo and Screen Conductive Inks are conductive upon printing and require no sintering. These solvent-based inks are available in two options, silver and a less expensive option, silver-coated copper. These conductive inks can be used on paper or on most synthetic substrates, providing maximum flexibility.

Flexo Inks

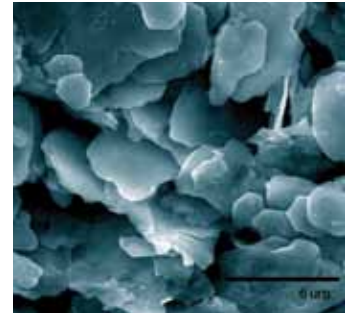
Product	Silver Flexo Ink CFF46	Silver-Coated Copper Flexo Ink CFF60
Typical Appearance	Thin silver-colored liquid	Thin copper-colored liquid
Viscosity		
Brookfield #3 Spindle, 60 rpm	16.0 cps	16.0 cps
Total % NV Solids	66% +/- 2%	66% +/- 2%
Dry Weight Metal %	89%	89%
Ω/□/mil	0.005	0.030
Ω/□/mil (110°C - 60 Minutes)	0.003	0.019
Print Method	Flexographic/Gravure	Flexographic/Gravure
Substrate	Paper, most synthetics	Paper, most synthetics

Screen Inks

Product	Silver-Coated Copper Screen Ink CSP42	Silver-Coated Copper/ Silver Screen Ink CSP44
Typical Appearance	Thick copper-colored paste	Thick copper-colored paste
Viscosity		
Brookfield #5 Spindle, 20 rpm	6,000 cps	6,000 cps
Drying Time	90 seconds to 6 minutes at 70°C (dryer dependent)	
Total % NV Solids	55% +/- 1%	55% +/- 1%
Dry Weight Metal %	82%	82%
Ω/□/mil	0.018	0.011
Print Method	Screen	Screen
Substrate	Paper, most synthetics	Paper, most synthetics

ABOUT IIMAK FLUID INKS

IIMAK offers a full line of Metallographic Inks for screen, gravure and flexo printing with silver and composite flakes. With 25 years experience, IIMAK Fluid Inks also offer a full range of custom ink making and distribution services for aqueous, UV, solvent, and hot-melt inks and dispersions.



Silver-coated copper flakes, magnified here, are placed in the inks to make them conductive.

