

## PRODUCT DESCRIPTION

Mateprincs CCAG-005 is a silver based conductive ink for high throughput printing (slot coating, gravure, flexo). This ink has been developed for applications that require low viscosity and fast drying. It is suitable for printing on many different substrates.

## PRODUCT BENEFITS

- Excellent adhesion to plastic substrates
- Good compatibility with resistive and dielectric inks
- Stable over time

## PROCESSING

- The ink should be mixed thoroughly prior use.
- Using a mechanical stirrer or shaker, mix until no sediment remains
- Do not use fast mixing for avoiding air entrapment or bubble formation.
- The use of a closed recirculation system is recommended for a better performance of the ink.

- Typical ink deposition (after curing):  
2-4 microns

### Curing conditions

- Static Box oven: 130°C, 20-30min
- Belt furnace: 130°C, 2-3 min

### Clean-up

To clean screen and equipment use a general product for screen cleaning and finish with ethanol

## INK PROPERTIES

### Typical properties of uncured ink

Solids Content, %	70-80
Density, g/cm <sup>3</sup>	2.2
Viscosity, cPs, (Brookfield, 60 rpm)	3,500

### Typical properties of cured ink

Adhesion, UNE EN ISO 2409	0-1
Sheet resistance, $\Omega$ /sq@25 $\mu$ m	<0.010
Abrasion resistance, UNE EN ISO 151884 (Pencil Hardness, Scratch)	2H