

## MIRROR EFFECT INK SERIES

The mirror effect ink is screen printing ink that can offer mirror appearance by printing on the back side of transparent film and sheeting.

### **Ink type**

Evaporation-drying ink (one pack type)/available as two-part-reaction ink

### **Usage**

Used for obtaining metallic mirror appearance by printing on the back side of transparent and flat surface of plastic sheets like treated PET, Polycarbonate, Hard PVC & Acrylic. Mirror effect ink blended with special aluminum powder and resin that creates metallic brilliant effects instead of hot stamping or metallic plating by vacuum evaporation.

### **Variation**

#### Standard products

	<u>Applicable plastic sheets</u>
Mirror effect ink series	
Mirror effect ink silver B/silver BS	(Treated PET)
Mirror effect ink silver No.1	(Treated PET,Acrylic)
Mirror effect ink silver No.2/silver No.2 BS	(Trated PET,Acrylic,Polycarbonate)
Mirror effect ink No.3 series	
Various metallic colors available by color matching	(Treated PET,Acrylic,Polycarbonate)

#### New products (High mirror effect, High viscosity and Excellent printability)

Mirror effect ink 500VS-L Silver	(Treated PET)
Mirror effect ink 500VS-P Silver	(Treated PET)
Mirror effect ink 500VS-P FS408 SilverKAI4	(Treated PET)
Mirror effect ink 700AU Silver	(Acrylic, Polycarbonate)
Mirror effect ink 700BU Silver	(Acrylic, Polycarbonate)
Mirror effect ink 700CX Silver	(Excellent mirror appearance on Polycarbonate)
Mirror effect ink 700DX Silver	(Excellent mirror appearance on Acrylic)
Mirror effect ink 800MX Silver	(Acrylic, Polycarbonate)

### **Screen**

Polyester/nylon 250 ~ 300 mesh/inch fabric is recommended.

Printable area approximately 30 ~ 70 m<sup>2</sup>/kg through polyester 270 mesh/inch fabric.

### **Drying time**

Drying at low temperature and humidity makes higher mirror effects.

Air-drying                      approximate 60 minutes at 20 ~ 25

Forced-drying    approximate 20 minutes at 50 ~ 60

### **Note**

- Special caution in printing set up is required for printing with Mirror effect ink and Mirror effect ink No.3 series because the viscosity of those products is much lower than a conventional screen printing ink.
- Check the mirror effect on actual substrates(particularly “molded parts”) prior to production run, as a poor mirror appearance may be brought depending on the properties of substrate such as solvent resistance, transparency and surface flatness.
- The adhesion may be improved by adding approximately 2% of D-Hardener when you must print on poor adhesion substrate.