

CAD Ink series

(Ink for card)

CAD Ink was specially developed as a screen printing ink for credit cards, etc. made of PVC sheet. Lamination by heat and pressure of the printed materials using this ink provides good adhesion between PVC sheet and both sides of transparent films.

Applications	Printing of various types of cards using PVC sheets			
Special Features	<ul style="list-style-type: none"> • Sufficient adhesion can be obtained even when laminating a full-page printed material. • Excellent printability and drying property • Excellent for gloss ink by applying pressure 			
Substrate	Rigid PVC			
Dilution	J-001 SOLVENT (fast dry), J-002 SOLVENT (standard), J-003 SOLVENT (slow dry) and J-004 SOLVENT (extra slow dry), Dilution 15-20%			
Additives	SM-40 DEFOAMER LEVELING AGENT 1% (For anti-foam and improving leveling)			
Recommended Cleaner	Screen Cleaner L2 or J-003 Solvent			
Mesh	T250 to 300 mesh (Coverage is 50 to 60 m ² /kg at T270 mesh)			
Drying	<p>Drying conditions (without laminated) : 60°C, 10 min or more Drying conditions (with laminated) : 120°C to 160°C, 30 min or more</p> <p>Drying at 55 to 60°C with a jet dryer, using a fine mesh stencil is recommended Printed material with CAD ink can be laminated by heating temperature of 120-160°C, which provides sufficient adhesion.</p> <p>Drying performance may vary depending on the difference in materials, room temperature, number of printed materials and printing area, etc. When using the product, please check it thoroughly and decide the drying time. In general, residual solvent may cause defective protective sheet, blocking, etc.</p>			
Standard Colors	000 MEDIUM	191 RED	420 LIGHT BLUE	821 VIOLET
	003 BRIGHT RED	221 YELLOW	525 ORANGE	911 BLACK
	033 GEL RETARDER	246 LIGHT YELLOW	581 MAGENTA	
	121 SCARLET	263 REDDISH YELLOW	611 WHITE	
	163 RED	391 BLUE	797 GREEN	

Caution

- If you like to mix gold and silver powders, or pearl pigment into this ink, please contact us beforehand.
- Adhesion test must be done at your site before commercial run as the quality of plastics may differ depending on manufactures or lots.
- The container tends to rust due to the effects of moisture. Please use as soon as possible after opened the container.
- Checking before commercialization: Adhesion and resistance properties may change due to differences in substrates, processes, printing and drying conditions. Be sure to check the adhesiveness and resistance properties before mass production printing.
- Ink shelf life: 24 months from production date, unopened.

Safety

UN No.: 1210
UN Classification: Class 3 Flammable Liquids (Flash point is over 23 Degree C)

Handling

- Use safety gloves and eyeglasses to protect skin and eyes. If the ink comes in contact with skin, wash with soap and plenty of water (or lukewarm water) and consult with a doctor.
- Containers should be closed tightly after use and stored in a cool and dark place.
- SDS is available upon request. Please request a copy and read it carefully before handling the products.

*Information contained in this catalog may change without prior notice.

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