

## DAIICHI-SPL series of spray – free four-color ink

### What should we do to protect the environment and improve production efficiency?

Produce printing workshop powder dust is also one of the pollution, the DAIHEI ink cooperate with Japan NAIGAI ink company develop a new named Daiichi – (SPL), it adopts the latest technology and raw materials, suitable for coated paper, matt paper, cardboard, etc. Various kinds of paper. Daiichi – (SPL) spray – free ink drying faster than traditional ink, and better wear – resistant. At the same time can solve print too much powder in the processing surface glazing. a plastic film bad quality problems, effectively improve the production efficiency and quality, at the same time greatly improve the printing workshop environment, to achieve the effect of the environmental protection.

#### Features and benefits

- ★ Special back to prevent dirt additive
- ★ Use special paraffin wax
- ★ Excellent abrasion resistance and quick drying adaptability
- ★ Control the dry without peeling on the machine
- ★ Excellent dot reappearance and high concentration
- ★ Bright colors
- ★ Ultra-low volatile compounds
- ★ Integrate various versions of each fountain solution

#### Ink's property

DAIICHL-SPL		YELLOW	MAGENTA	CYAN	BLACK
DM		37-39	34-36	34-36	34-36
Tack		7.0-7.5	8.0-8.5	8.5-9.0	8.0-8.5
DENSITY		1.25-1.30	1.95-2.00	2.00-2.05	2.20-2.25
SET TIME(min)		10±2	10±2	8±2	12±2
GLOSS(60')		75±3	65±3	60±3	70±3
PARTICLE SIZE		Below 15 µm	Below 10 µm	Below 10 µm	Below 15 µm
DRYING TIME	PAPER	Below 10Hr	Below 10Hr	Below 10Hr	Below 10Hr
	SKINNING	Over 24Hr	Over 24Hr	Over 24Hr	Over 24Hr
RUB RESISTANT		4,5(5 Excel-1Poor)	4,5(5 Excel-1Poor)	4,5(5 Excel-1Poor)	4,5(5 Excel-1Poor)

#### TEST METHOD

- DM** : measured by Spreadmeter(60sec/25°C)  
**Tackness** : measured by Ink-O-meter(60sec/400rpm, 32°C)  
**Particle size** : measured by Grinding gauge(µm)  
**Gloss** : measured by Glossmeter (60')  
**Set time** : measured by Setting tester(120g/m<sup>2</sup>, INK 0.01cc)  
**Rub resistant** : measured by Rub tester

#### Resistant level

		YELLOW	MAGENTA	CYAN	BLACK
Acid	5(excel)-1(poor)	5	2	5	5
Alkaline	5(excel)-1(poor)	5	2	5	5
Water	5(excel)-1(poor)	5	4	5	5
Alcohol	5(excel)-1(poor)	4	4	5	5
Lightfastness	8(excel)-1(poor)	4	4	8	8

