

**SAM★INK® 512i-1 Mild-Solvent Inkjet Inks Product Data Sheet**



**SAM★INK® 512i-1 Series Digital Inkjet Inks are designed to facilitate excellent performance across a range of high resolution print head technology in the Wide and Super Wide Format mild-solvent market sector. This promotes exceptional performance on Konica Minolta 512i, 1024i, Seiko SPT 255, 510, 1020, Spectra Polaris, & Spectra Skywalker print heads.**

**Features & Benefits**

Wide color gamut space allowing extensive color range. Highest quality pigments and resin polymers give vibrancy and color intensity when printed. Long-term exterior outdoor performance with proven resistance to the effects of UV degradation and color fading. All SAM★INK® 512i-1 series inks are formulated for maximum adhesion to an extensive range of self-supporting flexible and pressure sensitive vinyl, scrim banner materials, blue back paper, and backed mesh.

**Specifications**

Colors: Cyan 512i-1C, Magenta 512i-1M, Yellow 512i-1Y, Black 512i-1K.

Ink type & drop: Mild-solvent 12 pico-liters & above.

Resolution: 720 x 720 dpi & above.

Print heads: Konica 512i, 1024i, Seiko SPT 255, 510, 1020, Spectra Polaris, Spectra Skywalker.

Outdoor durability: **12-months (1-year)**. SAM★INK® 512i-1 series inks are designed and guaranteed for maximum outdoor resistance to color fade and chemical attack caused by the combined effects of UV degradation and environmental pollution. Each color is formulated with durable long-term outdoor pigments. When used with proper color management, color variance from the original print density will be minimal over a period of **12 months** for vertical outdoor exposure. To ensure that the color properties do not change during outdoor exposure, it is important to use proven substrates (flexible vinyl and pressure sensitive vinyl) that do not “yellow” or vary from their original white cast when exposed outdoors.

**Operating requirements**

Operating temperature range: 15 to 30° C

Storage temperature range: 5 to 35° C (2 years)

Storage humidity range: 10 to 80% RH

**Physical dimensions and weight**

Count of volume per bottle (liters)	5-Liter Bottle	1-Liter Bottle
Bottle dimensions W x D x H (mm)	135x184x286	
Bottle weight (kg)	4.75 kg	0.98 kg
Count of bottle/cartridge per carton box	2-bottles	6-bottles
Count of volume per carton box (liters)	10-liters	6-liters
Count of carton box per layer	20-boxes	18-boxes
Count of volume per layer (liters)	200-liters	108-liters
Count of carton box layer per pallet	4-layers	4-layers
Count of carton box per pallet	80-boxes	72-boxes
Count of volume per pallet	800-liters	432-liters
Count of volume per 20 feet container	8,000-liters	4,320-liters

**ISO9001:2000 Certified**

SAM★INK® pursues both environmental protection & continuous quality improvement. Under the philosophy of preserving the environment & human health, SAM★INK® is actively working to abolish harmful solvents, to reduce & recycle waste, to reduce power use, & to purchase recycled products. SAM★INK® constantly strives to provide the most highly reliable products available.

**Contact**

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SAM★INK® is committed to providing our customers with information about the chemical substance in our products as needed to comply with legal requirements such as REACH (Regulation EC number 1907/2006 of the European Parliament and the Council). A chemical information report for this product can be provided when you contact customer service at +65 6333-3302.

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