



Fluid Color Kaleidoscope Ink R851 Series Data Sheet

The R851 Series ink is specifically developed for use with Fluid Color UV-curable printers using Ricoh MH5420 (Gen5) or MH5320 (Gen6) Printheads and LED lamp technology. The ink is formulated for use in a wide variety of applications with adhesion to a broad range of flexible and rigid substrates with excellent resistance to edge chipping when using knife or router cutting.

Typical Applications

- Retail & POP Displays
- High End Retail Displays
- Trade Show Graphics
- Outdoor & Event Banners
- Outdoor Displays & Signage
- Packaging & Corrugated Displays
- Floor Graphics
- Window Graphics
- Custom Product Manufacturing

Typical Substrates

- | | |
|---------------------------|---------------------|
| Basic Foam Board | MDO Board |
| Premium Foam Board | Magnetics |
| PVC | Paper |
| Polystyrene | Outdoor Banner . |
| Corrugated Plastic | Indoor Banner |
| Polycarbonate | Self Adhesive Vinyl |
| Acrylic | Window Coverings |
| Corrugated Cardboard | Backlit |
| Aluminum Composite Panels | |

Outdoor Durability

2 years outdoors un-laminated, 4 years laminated*
 *Many factors influence outdoor durability including weather conditions, exposure, substrate characteristics and proper curing.

Storage

Store Ink and Flush at 65° - 80° F away from heat, sparks and flames.
 Shelf life is 12 months from date of manufacture.

Environmental Operating Specifications

Temperature - 65° - 80° F
 Humidity - 40% - 60% Optimum
 (30% - 70% Operational)

Handling

Use gloves and eye protection when handling this product. Clean up all spills immediately. If ink does come in contact with skin, wipe off with a clean, dry cloth (do not use solvent or flush solution). Wash the affected area with soap and water. Contact Fluid Color at support@fluidcolor.com for further information, warning and SDS sheets.

Printhead Care

Daily Maintenance

Purge and wipe printheads each morning, at mid-shift, at end of shift, if idle for more than 30 minutes and when print quality defects arise.

Overnight shutdown

Shut off the ink valves. Turn off printer.

Weekend shutdown (Up to 4 days)

Shut off the ink valves. Turn off printer.
 Restart Printer after weekend.
 Wipe Printheads with Fluid Color R851 Cleaning Fluid.
 Purge and wipe printheads..

Short-term shutdown (Up to 7 days)

Put printheads on a wet pad.
 See User Guide, 15.29 - Short-Term Printhead Storage.

Long-term shutdown (7 days or longer)

Flush and fill printheads with Fluid Color R851 Conversion Fluid.*
 Shut off ink valves. Turn off printer.

*Requires specialized tools and training. Contact your Dealer or Fluid Color for assistance.

Part Numbers

- (FC-R851-C) Cyan - 1L
- (FC-R851-M) Magenta - 1L
- (FC-R851-Y) Yellow - 1L
- (FC-R851-K) Black - 1L
- (FC-R851-CL) Light Cyan - 1L
- (FC-R851-ML) Light Magenta - 1L
- (FC-R851-W) White - 1L
- (FC-R851-V) Varnish - 1L
- (FC-R851-CF) Cleaning Fluid - 1L