



Description

V4254 is an invisible fluorescent MEK ink qualified for use in Videojet continuous inkjet (CIJ) printers. This ink is ideal for use on glass and metal returnable containers for covert coding. It is specially designed to be caustic washable and invisible to the unaided eye. It becomes fluorescent blue when activated by ultraviolet (UV) light.

Benefits

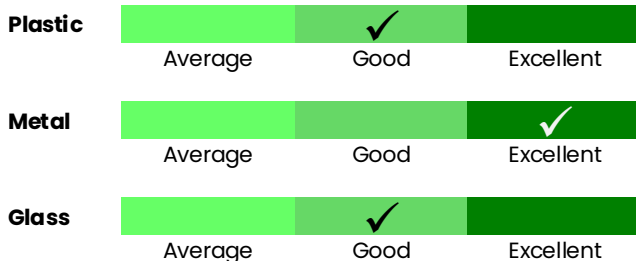
- iQMark™ food packaging
 - Non CMR's (carcinogens, mutagens, reproductive Toxins)
 - Swiss and German Food Packaging compliant
 - No ethanol formula
- Fluoresces @433nm when excited by UV light @365nm
- Improved adhesion to glass and dry heat resistance compared to V4259
- Removable in typical caustic wash baths used for returnable glass bottles
- Resistant to acids, mineral spirits, propylene glycol, and oils
- Succeeds 16-2300 legacy ink

Applications

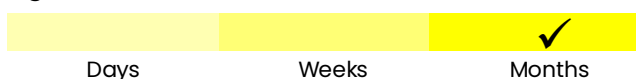
V4254 ink delivers excellent adhesion on aluminum, steel, polystyrene, polyester, polycarbonate, acrylonitrile butadiene styrene (ABS), and paper board. This ink is used to apply invisible fluorescent identification blocks to returnable and reusable glass bottles. The fluorescent block is used to sort returnable/reusable glass bottles from non-returnable/non-reusable ones. Returnable/reusable glass bottles have thicker and stronger construction in order to survive multiple cycles through the supply chain.



Adhesion



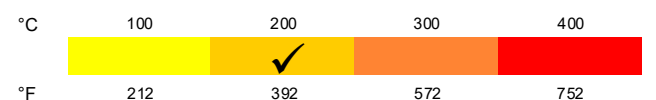
Light Resistance



Dry Time (seconds)



Dry Heat Resistance (maximum)



Chemical Resistance



V4254

Continuous inkjet Inks



Specifications

Product	Product Type	Color	Solvent Type	Container Size	Shelf life
V4254	Ink	Invisible / Fluorescent	MEK	750 ml (-D) 1000 ml (-L)	18 months*
V7206	Make-up	Colorless to pale yellow	MEK	750 ml (-D) 1000 ml (-L)	24 months*
V901	Cleaner	Colorless to pale yellow	MEK	1 liter (-Q)	30 months*
V930	Cleaner	Colorless to pale yellow	Acetone/Ethanol	1 liter (-Q)	30 months*
V940	Cleaner	Colorless to pale yellow	Ethyl Acetate	1 liter (-Q)	30 months*

Storage *Store between 2°C and 35°C (35°F and 95°F).

Printer Parameters

Qualified Models	Operating Temperature	Operating Humidity	Nozzle Compatibility
1580/+, 1880/+	5-45 °C	10-90%	60µm, 70µm

Compliance

iQMark™: V4254 ink was responsibly designed and manufactured to maximize contrast, adhesion, and uptime while meeting safety, environmental, and regulatory requirements. Every batch is tested to ensure it meets strict quality control specifications. V4254 ink does not contain Ethanol, Methanol, major allergens, animal based raw materials, nor organisms, genetically modified or not. Compliant with Swiss and German food packaging ordinances. No European Printing Ink Association (EuPIA) Exclusion List materials. For information, refer to Knowledge Articles 1148, 1190, and 1152.**

Food Packaging: V4254 ink may be used on the non-food contact side of food packaging. The packaging must provide a barrier between the ink and the food. When used in this manner, the inks are in compliance per 21 CFR 170.3(e)(1), Regulation (EC) No. 10/2011, and Regulation (EC) No. 2023/2006. For information, refer to Knowledge Article 7921.**

Product Packaging: V4254 ink, make-up, and cleaners are shipped in sustainably forested cardboard boxes. Ink and make-up cartridge components and cleaner bottles are recyclable. For information, refer to Knowledge Article 14286.**

Heavy Metals: V4254 ink meets the requirements of CONEG model legislation including 94/62/EC. For information, refer to Knowledge Article 1153.**

RoHS: V4254 ink meets the requirements of the RoHS 2 Directive 2011/65/EU and Directive (EU) 2015/863. For information, refer to Knowledge Article 1159.**

REACH: V4254 ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For information, refer to Knowledge Article 1156.**

Halogens: V4254 ink meets the International Electrotechnical Commission (IEC) definition of Halogen-Free. For information, refer to Knowledge Article 7920.**

**Environmental, Health, Safety, and Regulatory information can change without notice, consult the current Safety Data Sheet (SDS) which is available on the Videojet website. Knowledge Articles are available by calling or emailing Videojet.



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