



1580/1860 Inks

V4275

Description

V4275 is a thermochromic MPK/ethanol, dark green/black to blue ink qualified for use in the 1580 and 1860 continuous inkjet (CIJ) printers. It survives the rigors of continuous flow retort cooking processes, producing easy to distinguish blue color codes. The initial color can vary depending on the substrate.

Benefits

- iQMark™ no MEK ink offering:
 - No MEK, no acetone, no methanol
 - No European Printing Ink Association (EuPIA) Exclusion List materials
 - No CMR's (Carcinogens, Mutagens, Reproductive Toxins)
- Distinguishable green/black to blue color change during retort
- Resistant to Mil Spec Solvent C, mineral spirits, and oils

Applications

This ink is ideal for coding and marking aluminum and steel cans, glass jars, and plastic cups that are processed by retort or autoclave typically used to preserve vegetables, beans, fruit, soup, sauces, baby food, meat, fish, ready-to-eat meals, and pet food. This ink meets food manufacturer's in-house quality control processes and standard work specifying a visual management tool to help validate that products have passed through their critical retort cooking processes. It may also be used in food or pharmaceutical applications where the customer would like to reduce solvent plant emissions such as MEK and acetone.

V4275 delivers excellent adhesion on aluminum and polystyrene.



Adhesion



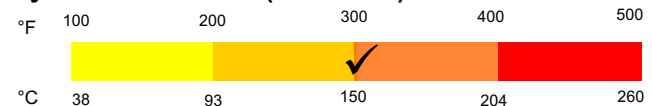
Light Resistance



Dry Time (seconds)



Dry Heat Resistance (maximum)



Chemical Resistance



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Specifications

Product	Product Type	Color	Solvent Type	Container Size	Shelf life
V4275	Ink	Dark Green/Black	Pentanone/Ethanol	750 ml (-D) 1000 ml (-L)	12 months*
V7211	Make-up	Colorless to pale yellow	Pentanone/Ethanol	750 ml (-D) 1000 ml (-L)	24 months*
V909	Cleaner	Colorless to pale yellow	Pentanone/Ethanol	1 liter (-Q)	30 months*

Storage

*Store between 2°C and 35°C.

Printer Parameters

Qualified Models	Operating Temperature	Operating Humidity	Nozzle Compatibility
1580, 1860	5-45°C	10-90%	60µm, 70µm

Certifications and Approvals –

iQMark™: V4275 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.

Heavy Metals: V4275 ink meets the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 1153.**

RoHS/WEEE: V4275 ink meets the requirements of the RoHS 2 Directive 2011/65/EU and Directive (EU) 2015/863. For more information, refer to Knowledge Article 1159.**

REACH: V4275 ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 1156.**

Halogens: V4275 ink meets the International Electrotechnical Commission (IEC) definition of Halogen-Free. For more information, refer to Knowledge Article 7920.**

Food Packaging: V4275 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 more information, refer to Knowledge Article 7921.**

Other: V4275 ink does not contain major allergens, animal based raw materials, nor organisms, genetically modified or not. For more information refer to Knowledge Articles 1148, 1190, and 1152.**

**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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