



1580/1860 Inks

V4274



Description

V4274 is a thermochromic MPK/Ethanol black to **blue** ink qualified for use in the Videojet 1580 and 1860 continuous inkjet (CIJ) printers. This ink is ideal for penetrating the toughest surface deposits that may occasionally be present on cans processed on food filling lines (e.g., soup). It then can also survive the rigors of continuous flow retort cooking processes, producing legible blue codes with high OCR read rates.

Benefits

- iQMark™ No MEK ink offering:
 - No MEK, no acetone
 - No European Printing Ink Association (EuPIA) Exclusion List materials
- Penetrates thin layer of waxy residue
- Excellent OCR vision system read rates, even after retort
- Resistant to bases, gasoline, Mil Spec Solvent C, mineral spirits, and oils
- Heat curing, 30 Min@150°C, provides solvent resistance to alcohols, ketones, and gasoline
- Changes color during steam exposure, indicating the container was processed

Applications

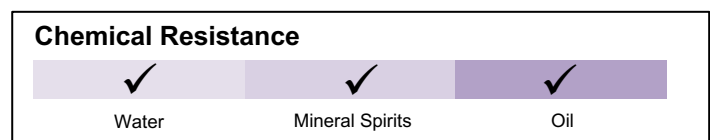
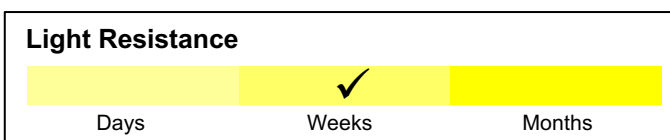
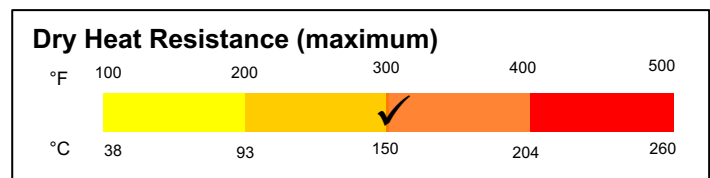
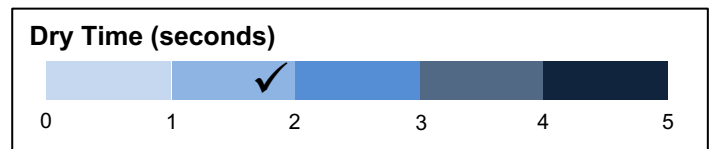
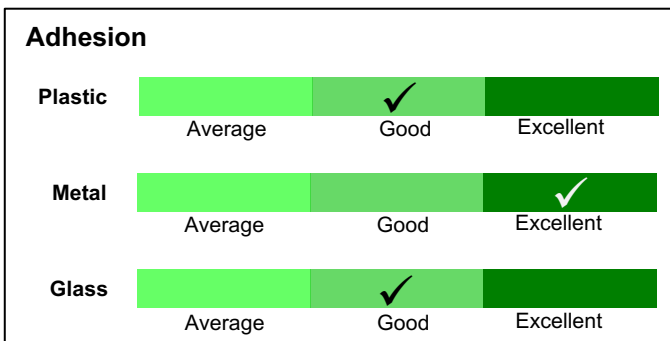
This ink is used for coding and marking food containers prior to the retort processes, which is used to preserve vegetables, beans, fruit, soup, sauces, baby food, meat/fish, ready-to-eat meals and pet food. It may also be used in food or pharmaceutical applications where the customer would like to reduce certain solvent plant emissions (e.g. MEK).

V4274 delivers excellent adhesion on aluminum, polystyrene, steel, and paper board.

A no MEK/Low VOC (V930) cleaner is available.



Retort Conditions:
121°C (250°F) for 60 mins.



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Specifications

Product	Product Type	Color	Solvent Type	Container Size	Shelf life
V4274	Ink	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*
V930	Cleaner	Colorless to pale yellow	Acetone/Ethanol	1 liter (-Q)	30 months*

Storage

*Store between 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™: V4274 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: V4274 ink meets the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 1153.**

RoHS/WEEE: V4274 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: V4274 ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 1156.**

Halogens: V4274 ink meets the International Electrotechnical Commission (IEC) definition of Halogen-Free. For more information, refer to Knowledge Article 7920.**

Food Packaging: V4274 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: V4274 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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