



1580/1860 Inks

# V4276

## Description

V4276 is a thermochromic MPK/Ethanol red ink qualified for use in the Videojet 1580 and 1860 continuous inkjet (CIJ) printers. This ink is ideal for use in high-speed food canning applications where retort evidence is desired. It is specially designed to change color from **DARK RED** to **BRIGHT RED** when cooked with steam at high temperatures.

## Benefits

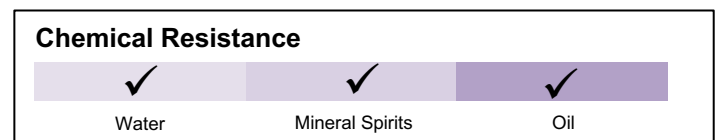
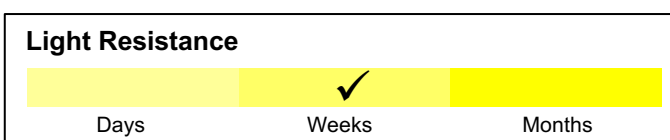
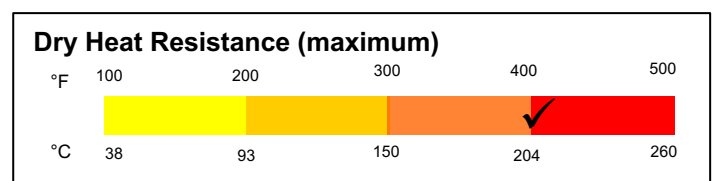
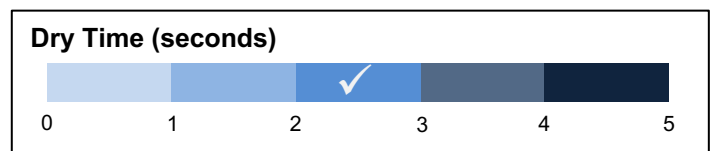
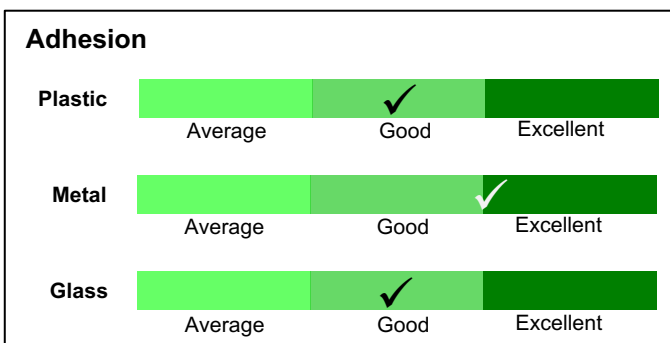
- iQMark™ no MEK ink offering:
  - No MEK, no acetone, no methanol
  - No European Printing Ink Association (EuPIA) Exclusion List materials
  - No CMR's (Carcinogens, Mutagens, Reproductive Toxins)
- Resistant to acids, bases, Mil Spec Solvent C, mineral spirits, and oils
- Changes color during steam exposure, indicating the container was processed
- Extreme heat resistance, survives > 60min at 400°C

## 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).

V4276 delivers excellent adhesion on a wide variety of substrates, including: aluminum, nylon, polyester, polystyrene, and paper board.

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



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## Specifications

Product	Product Type	Color	Solvent Type	Container Size	Shelf life
V4276	Ink	Dark Red	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™:** V4276 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:** V4276 ink meets the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 1153.\*\*

**RoHS/WEEE:** V4276 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:** V4276 ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 1156.\*\*

**Halogens:** V4276 ink meets the International Electrotechnical Commission (IEC) definition of Halogen-Free. For more information, refer to Knowledge Article 7920.\*\*

**Food Packaging:** V4276 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:** V4276 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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