



1580/1860 Inks

# V4210

## Description

V4210 is a condensation-resistant black MEK ink qualified for use in the Videojet 1580 and 1860 continuous inkjet (CIJ) printers. This ink is ideal for use in high-speed applications for a wide variety of substrates such as glass, plastic bottles, and cans, particularly in hot and humid environments and/or on substrates with moisture present due to cold filling, refrigeration, or freezing.

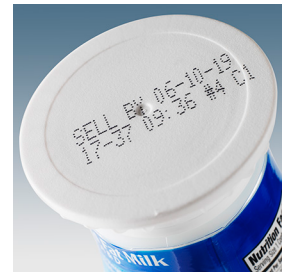
## Benefits

- Survives pasteurization and retort processes
- Resistant to acids, bases, mineral spirits, and oils
- Slight alcohol resistance
- Penetrates thin layer of condensation

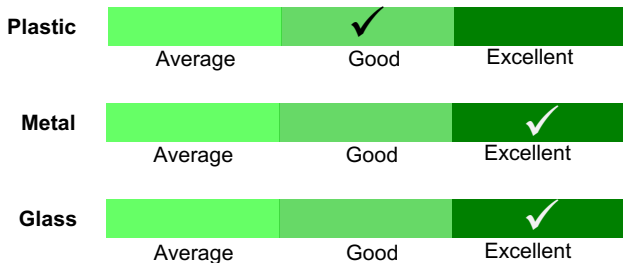
## Applications

This ink is used for coding and marking cold-fill food and beverage packaging, such as: aluminum cans and kegs, coated aluminum or steel bottle caps, two and three-piece tin-free steel cans, stainless steel kegs, acrylonitrile butadiene styrene (ABS), polystyrene, non-returnable glass bottles, polycarbonate, polyester, PET soda bottles, polyolefin twist off caps, yogurt cups, and nylon.

A no ethanol version (V4210A) is available. No MEK/Low VOC (V930) and no Drug Precursor (V940) cleaners are available.



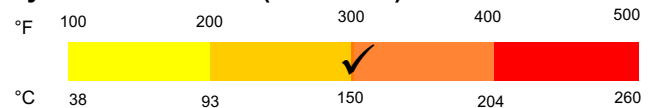
### Adhesion



### Dry Time (seconds)



### Dry Heat Resistance (maximum)



### Light Resistance



### Chemical Resistance



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## Specifications

Product	Product Type	Color	Solvent Type	Container Size	Shelf life
V4210/V4210A	Ink	Black	MEK	750 ml (-D) 1000 ml (-L)	18 months*
V7205/V7205A	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.

## Printer Parameters

Qualified Models	Operating Temperature	Operating Humidity	Nozzle Compatibility
1580, 1860	0-50°C	10-90%	60µm, 70µm

## Certifications and Approvals

**iQMark™:** V4210 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:** V4210 ink meets the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 1153.\*\*

**RoHS:** V4210 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:** V4210 ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 1156.\*\*

**Halogens:** V4210 ink meets the International Electrotechnical Commission (IEC) definition of Halogen-Free. For more information, refer to Knowledge Article 7920.\*\*

**Food Packaging:** V4210 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:** V4210 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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