



1580/1860 Inks

V4251

Description

V4251 is a washable black methanol ink qualified for use in the Videojet 1580 and 1860 continuous inkjet (CIJ) printers. This ink is ideal for use on five gallon returnable polycarbonate water bottles. The ink codes are easily removed using common caustic or caustic-substitute wash solutions.

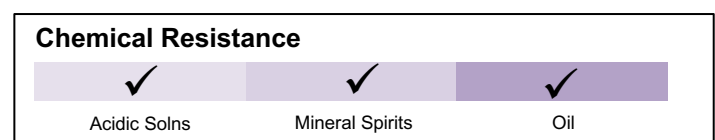
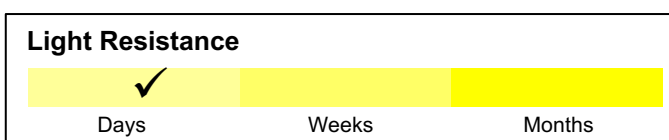
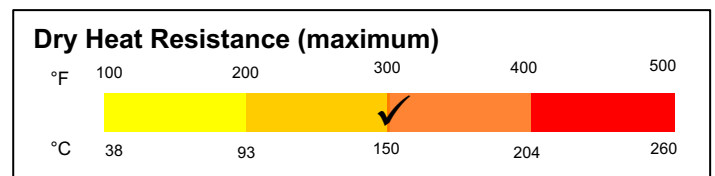
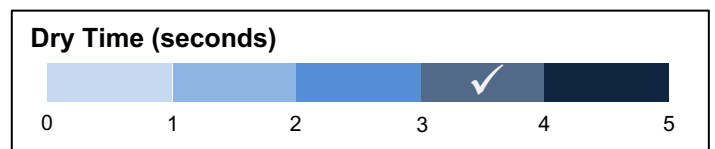
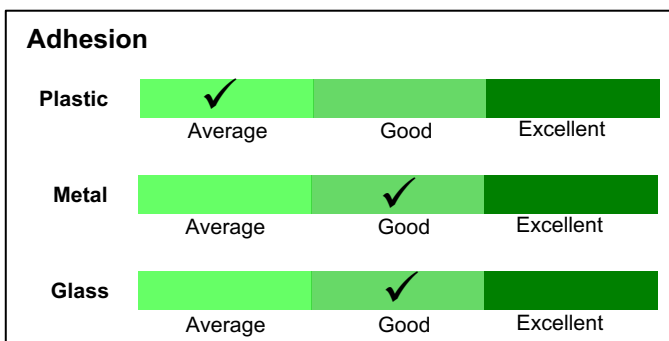
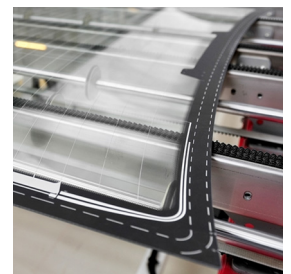
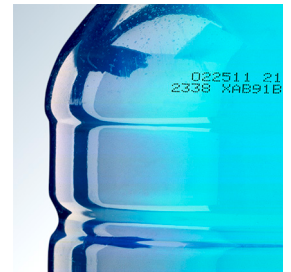
Benefits

- iQMark™ low odor ink offering:
 - Low odor methanol solvent base
 - No MEK, no acetone, no ethanol
 - No CMR's (Carcinogens, Mutagens, Reproductive Toxins)
- Easily removable with water based cleaning solutions:
 - 2% ammonia solution
 - Star-Brite® cleaner (Star Solutions, Inc.)
 - Slightly caustic detergents and soaps
- Resistant to acids, mineral spirits, and oils

Applications

This ink is used for coding and marking returnable plastic water containers, typically 5-gallon bulk water bottles used in home and business water coolers which are returned, washed, refilled, and reused. Standard inks can leave a permanently etched ink code on the surface of the plastic and be difficult to remove. Other uses include temporary marking of a material for internal tracking, such as: marking on a glass windshield which is removed before the vehicle is shipped for sale, and marking food bins that convey product through a production process, which is later removed, re-coded, and reused with new batch.

V4251 delivers good adhesion to a wide variety of substrates, including: aluminum, glass, polycarbonate, polyester, steel, and nylon.



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Specifications

Product	Product Type	Color	Solvent Type	Container Size	Shelf life
V4251	Ink	Black	Methanol/Water	750 ml (-D) 1000 ml (-L)	12 months*
V7215	Make-up	Colorless to pale yellow	Methanol/Water	750 ml (-D) 1000 ml (-L)	24 months*
V911	Cleaner	Colorless to pale yellow	Methanol/Water	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 Certifications and Approvals –

iQMark™: V4251 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: V4251 ink meets the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 1153.**

RoHS/WEEE: V4251 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: V4251 ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 1156.**

Halogens: V4251 ink meets the International Electrotechnical Commission (IEC) definition of Halogen-Free. For more information, refer to Knowledge Article 7920.**

Food Packaging: V4251 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: V4251 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.

Order supplies shop.videojet.com

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Email info@videojet.com

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