



1580/1860 Inks

V4221

Description

V4221 is a low-odor / aerospace black Methanol ink qualified for use in the Videojet 1580 and 1860 continuous inkjet (CIJ) printers. This ink is ideal for customers with odor-sensitive applications or the need to meet certain aerospace specifications.

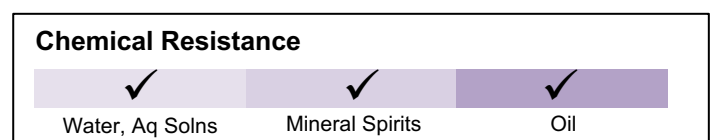
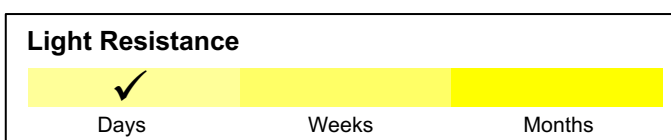
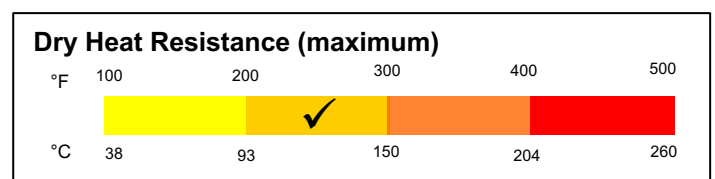
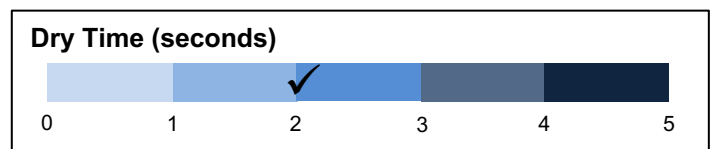
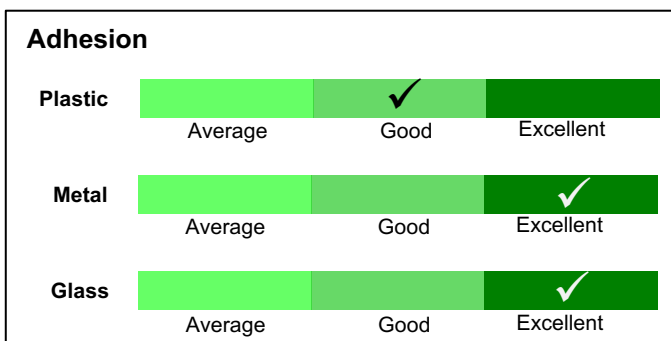
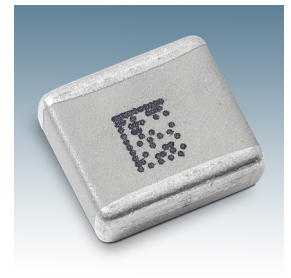
Benefits

- iQMark™ low odor ink offering:
 - Low odor methanol solvent base
 - No MEK, no acetone, no ethanol
- Based on 16-8700 / V421 legacy ink formulas (aerospace approved)
- Caustic removable
- Some acetone resistance
- Resistant to acids, Mil Spec Solvent C, mineral spirits, and oils

Applications

This ink is used for coding and marking products in odor-sensitive applications commonly found in baked food, tobacco, and coffee packaging; baby, health, beauty, and personal care markets. It can also be used in aerospace applications where inks 16-8700 or V421 are already qualified.

V4221 delivers excellent adhesion to a wide variety of substrates including: aluminum, glass, polystyrene, polycarbonate, polyester, steel, and nylon.



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Specifications

Product	Product Type	Color	Solvent Type	Container Size	Shelf life
V4221	Ink	Black	Methanol	750 ml (-D) 1000 ml (-L)	15 months*
V7207	Make-up	Colorless to pale yellow	Methanol	750 ml (-D) 1000 ml (-L)	24 months*
V907	Cleaner	Colorless to pale yellow	Methanol	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

Special Operating Requirements **Air Drier Kit Mandatory – all conditions

Certifications and Approvals

iQMark™: V4221 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: V4221 ink meets the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 1153.***

RoHS: V4221 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: V4221 ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 1156.***

Food Packaging: V4221 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: V4221 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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