



1000 Line Inks

# V421

## Description

V421 is a low-odor / aerospace black Methanol ink qualified for use in the Videojet 1000 Line of continuous inkjet (CIJ) printers. This ink is ideal for customers in odor-sensitive applications or who need to meet certain aerospace specifications.

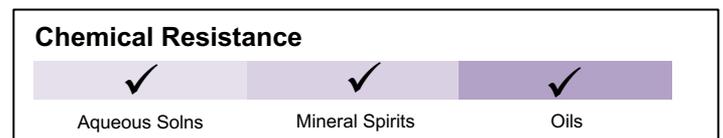
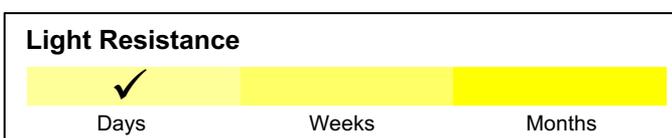
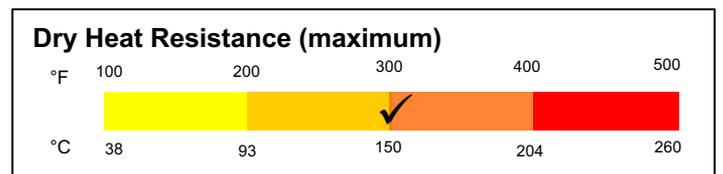
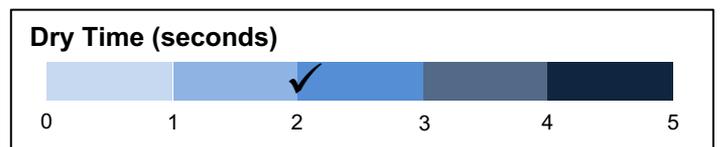
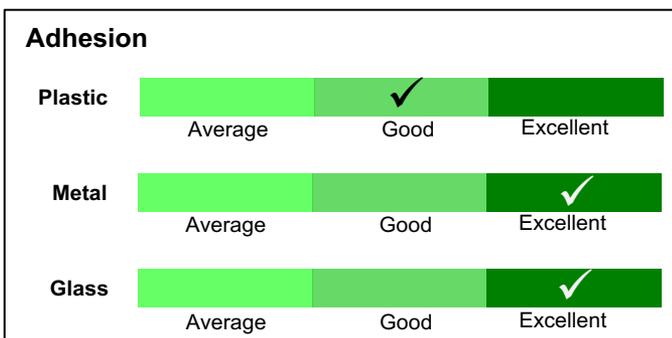
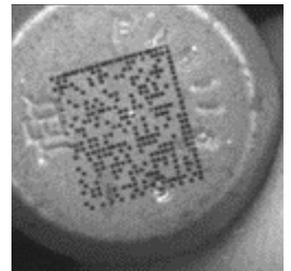
## Benefits

- 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

V421 is suitable for odor-sensitive applications commonly found in baked food, tobacco, and coffee packaging; baby, health, beauty, and personal care markets. Also for aerospace applications where Videojet ink 16-8700 is already qualified.

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



# V421

## 1000 Line Inks

### Specifications

Product	Product Type	Color	Solvent Type	Container Size	Shelf life
V421	Ink	Black	Methanol	750 ml (-D), 5 L (-K)	15 months*
V707	Make-up	Colorless to pale yellow	Methanol	750 ml (-D), 5 L (-K)	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
12X0, 15X0, 16X0, 1610DH	5-45°C**	10-90%**	60µm, 70µm

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

### Certifications and Approvals

**iQMark™:** V421 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:** V421 ink meets the requirements of CONEG model legislation including 94/62/EC. For more information, refer to Knowledge Article 1153.\*\*\*

**RoHS:** V421 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:** V421 ink is in compliance with EU Regulation (EC) No. 1907/2006 as amended. For more information, refer to Knowledge Article 1156.\*\*\*

**Food Packaging:** V421 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:** V421 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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