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Commercial Branding and Transportation Division

3M™ Piezo Inkjet Series 8900UV Ink

Product Bulletin Series 8900UV
June 2023

Replaces Product Bulletin Series 8900UV Dated November 2020

1   Description

3M™ Piezo Inkjet Series 8900UV Ink is part of 3M's system of matched components for imaging with Durst 163 TS/HS and EFI H1625-RS printers. These UV-curable inks are durable, transparent, weather-resistant, and designed to optimize digital imaging of traffic control signs that are exposed vertically in service.

The ink is available in the following colors.

Table 1. Product codes by color for EFI and Durst printers.

Ink Color	EFI H1625-RS Product Code	Durst 163 TS/HS Product Code
Blue	8903UV v2	8953UV v2
Black	8905UV	8955UV
Red	8922UV	8972UV
Yellow	8924UV	8964UV
Magenta	8915UV	8965UV
Cyan	8916UV	8966UV

2   Specifications

Sheeting imaged with 3M™ Piezo Inkjet Series 8900UV Inks and overlaminated with 3M™ ElectroCut™ Film 1170C ("**1170C**") or 3M™ Premium Protective Overlay Film Series 1160i ("**1160i**") conforms to current performance requirements of ASTM D4956 for their respective sheeting types. Digitally printed transparent traffic color (red, blue, green, yellow, purple, orange and brown) areas on white sheeting shall not be less than 70% of the value of the coefficient of retroreflection (R_A) as defined in ASTM D4956, for the respective sheeting type and corresponding color. Refer to the printer specific 3M™ MCS™ Warranty Matrices for further details regarding retroreflectivity minimums over the warranty period.

3   System of Matched Components

For a complete list of matched components for the Sheeting, please see the [3M™ Sign Warranty Bulletin.](#)

4   Disclaimer

Except for 3M branded products, 3M does not represent that any printer or printer accessory recommended in 3M literature will meet customer requirements, any federal, state, or local regulations, or any applicable safety standards. Such determination is the responsibility of the printer owner. For a buyer's convenience, 3M may provide engineering or technical information, recommendations, certifications, and other information or materials relating to other company's products ("**Other Information**"), but 3M does not warrant Other Information, including but not limited to its accuracy or completeness.

5   Imaging

Ink may be used to produce traffic Signs using the imaging methods described below. Compatibility is backed with a 3M™ MCS™ Warranty or 3M™ MCS™ Warranty for Traffic when the printing guidelines referred to in the Literature References of **Section 10** are followed. See **Section 8** of this document for more information regarding the warranties. 3M assumes no responsibility for the failures of Sign face legends or backgrounds that have not been processed according to the 3M Sign Warranty Bulletin.

5.1   Digital Imaging

Inks are compatible with Durst 163 TS/HS and EFI™ H1625-RS printers and 3M reflective sheeting. Refer to 3M Information Folder 1.19 and 3M Information Folder 1.20. Use of 3M™ ElectroCut™ Film 1170C or 3M™ Premium Protective Overlay Film Series 1160i is required.

5.2   Printing Recommendations for Traffic Signage

Printer set-up and maintenance is critical to achieving good image quality and ensuring proper sheeting processing. Please follow the printer setting recommendations provided by the printer manufacturer during printer installation, as they are required as part of 3M's system of matched components to produce traffic signs. Follow all operation and maintenance procedures recommended in the printer's user manual.

6   Shelf Life and Storage

Use inks within one year of date of manufacture. Leave the ink in the original packaging during both storage and use to prevent exposure to light. Light can cause the UV ink to cure prematurely and damage the printer. Store at temperatures between 32 and 80 °F.

7   Environmental, Health, and Safety

Read all health hazard, precautionary, and first aid statements found in the Safety Data Sheets (SDS), and products labels of any materials for important health, safety, and environmental information prior to handling or use. To obtain SDSs for 3M products go to 3M.com/SDS, contact 3M by mail, or for urgent requests call 1-800-364-3577.

When using any equipment, always follow the manufacturers' instructions for safe operation.

8   Warranty Information

8.1   3M Standard Warranty

3M™ Piezo Inkjet Series 8900UV Ink ("**Product**") is warranted ("**Standard Warranty**") to be free of defects in materials and manufacture at the time of shipment and to meet the specifications stated in this product bulletin. If the Product is proven not to have met the Basic Warranty on its shipment date, then a buyer's exclusive remedy, and 3M's sole obligation, at 3M's option, will be refund or replacement of the Product.

8.2   3M™ MCS™ Warranty, 3M™ MCS™ Warranty for Traffic, and Limited Remedy

For warranties applicable to the Product, refer to the 3M Sign Warranty Bulletin.

8.3   Warranty Disclaimer

THE 3M WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE, OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING OR OF PERFORMANCE, CUSTOM, OR USAGE OF TRADE.

8.4   Limitation of Liability

Except for the exclusive remedy stated above, and except where prohibited by law, 3M will not be liable for any loss or damage arising from signs or any 3M product, whether direct, indirect, special, incidental, or consequential damages (including but not limited to lost profits, business, or revenue in any way), regardless of the legal theory asserted including warranty, contract, negligence, or strict liability.

9   Other Product Information

Always confirm that you have the most current version of the applicable product bulletin, information folder, or other product information from 3M's Website at http://www.3M.com/roadsafety.

10 Literature References

3M IF 1.19	Digital Imaging with Durst 163TS/HS Printers on 3M™ Reflective Sheeting
3M IF 1.20	Digital Imaging with EFI H1625-RS Printer on 3M™ Reflective Sheeting
3M PB 1160i	3M™ Premium Protective Overlay Film Series 1160i
3M PB 1170	3M™ ElectroCut™ Film Series 1170
3M PB 3930DS	3M™ High Intensity Prismatic Reflective Digital Sheeting Series 3930DS
3M PB 4000DS	3M™ Diamond Grade™ DG3 Reflective Digital Sheeting Series 4000DS
3M PB 7300	3M™ Advanced Flexible Engineer Grade Reflective Sheeting Series 7300
3M PB 3924SUDS	3M™ Diamond Grade™ Fluorescent Work Zone Digital Sheeting Series 3924SUDS
3M PB 3930UDS	3M™ High Intensity Prismatic Reflective Digital Sheeting Series 3930UDS
3M PB 4000UDS	3M™ Diamond Grade™ DG^3 Reflective Digital Sheeting Series 4000UDS
3M™ Slipsheeting PB	3M™ Slipsheeting

3M Sign Warranty Bulletin
3M™ MCS™ Warranty for Traffic Matrix for EFI H1625-RS
3M™ MCS™ Warranty Matrix for EFI H1625-RS
3M™ MCS™ Warranty Matrix for Durst 163TS and 163TS/HS Printers
3M™ MCS™ Warranty for Traffic Matrix for Durst 163TS & 163TS/HS

ASTM Test Methods are available from ASTM International, West Conshohocken, PA.

For Information or Assistance
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In Canada Call:
1-800-3M HELPS (1-800-364-3577)

Internet:

http://www.3M.com/roadsafety

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