



IMTECH
Experts In Inkjet

UV LED Curable Black®

UV curable inks for non porous media

ImTech's patented UV curable series of inks are suitable for printing on non porous and semi porous media. The products are intended to print using HP 45 ink cartridges. This product is suited for variety of printing applications such as marking on Vinyl, glass, polyester and PVC, and also several other low porosity surfaces. The print quality and the adhesion properties will vary depending on the surface finish of these materials.

The inks exhibit reasonable start-up behavior, fastness properties, adhesion to the substrates and dry times allowing high flexibility for operations.

General Performance Data

Property	Range / Description	Comment
Optical Density (600 x 300)	1 – 1.1	White Zebra PVC cards
Decap Time	~ 30 seconds	Avoid vacuum or air flow directly under or on nozzles
Durability	Excellent	
Water Resistance	Excellent	
Rub Resistance	Good	Substrate dependent.
Shelf Life	6 months from the fill date	Refrigerate for better shelf life
Target Substrates	Many non porous substrates	Test for applicability



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Recommended Cartridge Operating Parameters

Property	Range	Comment
Operating Voltage	11.0 V	
Pulse Width	2.2 uSec	
Pulse Warming Temperature	45 C	
Frequency Range	0-12 KHz	
Maximum Print Speed	120000 drops/s	
Storage Temperature	5-30 C	

Cartridge Maintenance and Handling

- Clean the printhead by wiping it with a lint free cloth moistened with alcohol. Wipe slowly and lightly along the long edge with the printhead facing down.
- Store the cartridge upright with the supplied cap in place, preferably in a refrigerator.

Disclaimer

WE DECLARE OUR LIABILITY TO BE THE PRICE OF THE CARTRIDGE. We are committed to a continuing program of product improvement. Thus, please be advised that specifications, performance, parameters and appearance of our products are subject to change without notice. The information (including performance parameters) provided about this ink is based on tests conducted under controlled conditions. Since conditions of actual use may differ and are beyond our control, use this ink at your own risk and test for suitability in the application. We only guarantee initial start-up of the cartridge prior to the use by date listed on the cartridge packaging.

MSDS IS AVAILABLE UPON REQUEST.



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