

Product Description:

The PLASMA UV curable ink series is designed for use on rigid, flexible and elastic substrates for outdoor and indoor applications. They are designed for printing on a wide range of coated and uncoated rolled and rigid media, and also on a wide range of flexible media, like: vinyl, styrene, polycarbonate, acrylic, polyester, PP, foam board and more.

Primary Applications:

- **PLASMA UR:**
For R2R based printers:
Hard ink, glossy and strong mechanical properties
- **PLASMA UF:**
For hybrid and FB based printers:
Flexible ink designated for rigid substrates that bend and stretch, the ink has very good adhesion properties.
For optimal adhesion, use a Bordeaux adhesion promoter.
- **PLASMA US:**
Super Flexible ink for applications with very high elongation such as Thermoforming

Benefits and Primary Features:

Bordeaux's UV curable ink series are designed to deliver high quality color and performance, exceptional reliability and cost savings. The fully tested and proven ink series offers extended compatibility to a wider range of flat to roll (FTR) and roll to roll (RTR) substrates while extending long-term outdoor durability.

- Formulated for a wide range of flexible and semi flexible applications and media
- Compatible with most UV printers and print heads
- Perfect jetability and instant curing properties
- VOC and odor free
- Vivid color gamut

Print Heads Compatibility:

- Konica Minolta series
- Seiko SPT Series
- Spectra Dimatix Series
- Ricoh Gen
- Xaar 1001
- Toshiba Tec series

Substrates Compatibility:

	Recommended Primer
<u>Paper base</u>	
Foam Centered Board	
Corrugated Board	
Display Board	
Paper	
<u>Plastics</u>	
Vinyl	
Foam PVC	
Acrylic	Bordeaux Clear-PL may require to improve adhesion
Self-Adhesive PVC	
Gloss / Matte Rigid PVC	
Non treated Polypropylene	Bordeaux Clear-PL essential for adhesion
Corona treated Polypropylene (Coroplast)	
Polycarbonate	
<u>Other</u>	
Glass	Bordeaux Clear- GP essential for adhesion
Melamine coated wood	Bordeaux Clear- GP essential for adhesion
Metal	Bordeaux Clear- GP essential for adhesion

Primer Compatibility:

Primer for glass substrate: Clear GP 500ml Bottle

Primer for plastic substrate: Clear PL 500ml Bottle

Available Colors:

Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, White, Cleaning Liquid

Available Packaging:

1L Bottle, 5L Bottle

Contact your Bordeaux representative for product codes.

Printing Conditions:

Printing temperature should be 25°C +/- 5°C and relative humidity should be 50% +/- 15% (non-condensing).

Installation:

The PLASMA UV curable ink series can be installed directly after a cleaning procedure is completed, which must be performed with the PLASMA UV Cleaning Liquid. .

Outdoor Durability:

The PLASMA UV curable ink series outdoor durability is up to 24 months without lamination.

Shelf Life:

C, M, Y, K, Lc, Lm, WH, Cleaning Liquid - 12 months from the date of manufacturing.

Disclaimer: It is clarified that the specifications, instructions and other information included in this Technical Data Sheet ("TDS"), including without limitation with regard to storage, use and installation of the products referred to herein ("the Products"), constitutes the sole specifications, instructions and other information that apply with respect to the Products, and supersede any other communications, representations and warranties ("Representations"), whether written, oral, or otherwise with respect to the Products, and no such Representations, provided or to be provided in any form other than in this TDS or in a replacing or supplementary TDS issued by Bordeaux Digital Printink ("Bordeaux"), is to be relied upon or referred to and same will not obligate any distributor of the Products or Bordeaux. It is also clarified that despite of high color gamut compatibility in laboratory conditions the human eye might detect color variations, on certain media types, in specific light conditions. Without derogating from the above, Bordeaux and any distributor of the products shall not be liable to any loss or damage, including such loss or damage to any third party, caused by any use of the Products which is inappropriate or which is otherwise than in accordance with instruction for the use of the Products in this TDS or in a replacing or supplementary TDS issued by Bordeaux. In any event, Bordeaux liability is limited to the price of the Products or the cost of replacing such Products and Bordeaux is not, in any event, liable to any other loss or damage, including consequential damages.

Storage Conditions:

Store tightly covered at temperatures between 10°C to 30°C and relative humidity between 25% to 70%. Leave the ink in the original container for storage and prevent exposure to light and heat.

Shipping and Handling:

All personal handling these products must wear gloves and eye protection. After use, wash hands with soap and water. Should ink come in contact with clothes, remove clothing to avoid prolonged skin exposure. Should ink come in contact with skin, wipe off with a clean, dry absorbent cloth and wash area with soap and water. For additional safety data, please refer to MSDS.

Mix & Match:

Bordeaux proprietary Mix & MatchTM concept, enabling on-the-fly conversion of the original ink to Bordeaux without the need to flush, replace parts or perform new color profiles in most configurations. The "Mix" only technology enables conversion of specified OEM inks to Bordeaux without the need to flush or replace parts.

Bordeaux Warranty Program:

The user must refer to Bordeaux warranty program and liability <http://www.c-m-y-k.com/>

Disclaimer: It is clarified that the specifications, instructions and other information included in this Technical Data Sheet ("TDS"), including without limitation with regard to storage, use and installation of the products referred to herein ("the Products"), constitutes the sole specifications, instructions and other information that apply with respect to the Products, and supersede any other communications, representations and warranties ("Representations"), whether written, oral, or otherwise with respect to the Products, and no such Representations, provided or to be provided in any form other than in this TDS or in a replacing or supplementary TDS issued by Bordeaux Digital Printink ("Bordeaux"), is to be relied upon or referred to and same will not obligate any distributor of the Products or Bordeaux. It is also clarified that despite of high color gamut compatibility in laboratory conditions the human eye might detect color variations, on certain media types, in specific light conditions. Without derogating from the above, Bordeaux and any distributor of the products shall not be liable to any loss or damage, including such loss or damage to any third party, caused by any use of the Products which is inappropriate or which is otherwise than in accordance with instruction for the use of the Products in this TDS or in a replacing or supplementary TDS issued by Bordeaux. In any event, Bordeaux liability is limited to the price of the Products or the cost of replacing such Products and Bordeaux is not, in any event, liable to any other loss or damage, including consequential damages.