

color+ Series DL

Digital Ink Systems

Color+ Series DL Solvent-based inkjet inks for Spectra head printers.

Color+ Series DL inks have been designed specifically for Superwide Format Piezo DoD printers having Spectra Nova 256, or Spectra Galaxy 256 or SL-128 print heads

Features

- Solvent-based technology
- Fast drying
- Bright vibrant colours
- Suitable for uncoated materials
- Recommended for both external and internal applications

Ink Properties

color+DL is a range of high density, highly durable solvent-based pigmented inks for Piezo drop on demand printhead technology. Using the best quality pigments and Sericol's unique Micro V dispersion technology, Color+ DL inks produce a wide colour gamut increasing the number of colours printable whilst simultaneously maximising outdoor light-fastness for prints with a lasting impact.

Trichromatic colour range

DL004	Black
DL052	Yellow
DL135	Magenta
DL137	Magenta
DL215	Cyan
QUI016	Solvent Flushing Solution

Available in 5 litre containers

Application Range

color+DL inks are recommended for a wide range of uncoated materials.

Main applications include:

- Display PoP
- Posters
- Banners
- Bus/Taxi Advertising
- Exhibition Graphics.

Color+ DL can be used to decorate a wide range of substrates such as:

- Banner Grade PVC
- Self-adhesive Vinyl
- Mesh
- Poster Paper

Drying

color+ DL inks have been formulated to meet the drying specification of super-wide presses using solvent-based inks. The actual drying speed will depend on a number of factors. These include, ink thickness, substrate choice and print speed.

Colour and outdoor durability

These inks have successfully passed 600 hrs testing under ASTM G53 test specification, using UVB-313 lamps in a QUV Weather-o-meter. This is estimated to be equivalent to six months out door durability. However, the outdoor durability of a print depends on many other factors like, the quality of substrate w.r.t out door durability, printing conditions like ink limit and the very image itself. Ink limit below 100% of any one colour can also affect the out door durability. Hence, it is essential to maintain at least 360% to 400% of aggregate ink limit and also 100% of individual ink limit to expect six months out door durability. Also, it is expected that there will always be gloss reduction when prints are exposed to out door weather and hence, this is not considered as loss of durability.

Chemical and Abrasion Resistance

Color+ DL inks have good chemical and abrasion resistance. For optimum print durability it is recommended to over varnish or laminate prints to protect the surface from chemical attack.

Plastics

Certain plastics may be impregnated with lubricants, which may impair adhesion and block resistance even a considerable period of time after printing.

It is normal for banner grade PVC to be highly plasticised, which over time migrates to the surface significantly reducing the ink adhesion level. This problem can be overcome by wiping the surface with white spirit before printing.



THE END USER MUST DETERMINE SUITABILITY OF THIS PRODUCT FOR THE INTENDED USE PRIOR TO PRODUCTION.

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PRODUCT INFORMATION

Storage

In the interest of maximum shelf-life, storage temperatures should be between 5 and 30°C. If stored under these conditions the inks are expected to have a shelf-life of 12 months from date of manufacture.

Safety Handling

color+ DL inks

- Are formulated to be free from any chemicals toxic to health, carcinogenic, mutagenic or reprotoxic according to Directive 67/548/EC.
- Are not routinely tested, but are formulated to comply with the EN71-3 1995 Toy Safety Standard.

Comprehensive information on the safety and handling of Color+ DL inks and cleaner is given in the appropriate Sericol Safety Data Sheet available on request.

Environmental Information

color+ DL Inks

- Do not contain ozone depleting chemicals as described at the Montreal Convention.
- Are formulated free from aromatic hydrocarbons.

The information and recommendations contained in this Product Information sheet, as well as technical advice otherwise given by representatives of our Company, whether verbally or in writing, are based on our present knowledge and believed to be accurate. However, no guarantee regarding their accuracy is given as we cannot cover or anticipate every possible application of our products and because manufacturing methods, printing stocks and other materials vary. For the same reason our products are sold without warranty and on condition that users shall make their own tests to satisfy themselves that they will meet fully their particular requirements. Our policy of continuous product improvement might make some of the information contained in this Product Information sheet out of date and users are requested to ensure that they follow current recommendations.

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