



Aquacolor Gloss WB Water-based Screen Inks for Paper & Board

Aquacolor Gloss WB is a press ready, water-based, jet drying ink designed for printing onto corrugated and display board. Line inks based on the Seritone Matching System and a trichromatic set are available.

Substrate Selection

Aquacolor Gloss WB is designed for boards such as corrugated, display or box board.

The Seritone Matching System

The Seritone Matching System enables printers to readily match special colours. The system consists of 9 base colours, each of which has been selected for its cleanliness of tone and suitability for intermixing.

WB001 Black/Tinting Black and WB021 White/Tinting White are pigmented to achieve the ideal tinting and tint reducing power, and are therefore suitable for colour matching purposes and for use as printing colours. Using the Seritone base colours plus Black, White and Extender Base, almost any colour can be produced.

The use of Universal Tinters is not recommended with Aquacolor Gloss WB inks.

PANTONE® Matching System

The Aquacolor Gloss WB range includes nine Seritone base colours plus Black, White and Extender Base to produce accurate simulations of the PANTONE colours in the coated ('C' suffixed) section.

The Sericol package includes:

- PANTONE Color Formula Guide**
The original PANTONE book customised by Sericol.
- Sericol Formula Guide**
A booklet containing formulations given in percentages by weight.
- Color Manager Software**
For use with IBM compatible computers. This package enables use of the PANTONE formulations plus:
 - Storage facility for user's own formulations.
 - Automatic batch sizing and costing.
 - Ink coverage estimator.
 - Stock control system to calculate the amount of stock and a reminder when stocks fall below a given (programmable) level.
- PANTONE Formula Scales**
Pre-programmed with the Sericol formulations of PANTONE references to ensure maximum accuracy, speed and cost savings.

Main Characteristics

Finish

Gloss. Additions of 10-20% WB384 Matting Base will reduce finish to a satin/matt level.

Curing

Jet drying: 50°C, 10-20 seconds.

Air drying: 3-5 minutes.

Thinning

Not normally required. Up to 5% with water if necessary.

Wash-up

After short breaks clean screens with water. After long breaks or at end of run use ZC677.

Mesh

Line colours: No 120.34(T)

Trichromatic colours: Nos. 140.34(T) - 150.34(T)

Stencil Type

Must be water/solvent resistant. Low build, direct emulsions coated to approximately 4 microns build on the underside of mesh are recommended. Screens may be filled with Serifil WR or sensitised emulsion, re-exposed after drying to achieve resistance.

Recommend:

Dirasol 916 or 15 micron water and solvent resistant capillary film.

Coverage & Mesh No.

60-70 m²/ltr through 120.34(T).

Applications

Corrugated board, display board, box board.

Colour Range

15 including Seritone System and trichromatics. PANTONE®* Matching Formulae available.

WB381 Extender Base may be used in line or trichromatic inks to reduce colour strength.

Properties

Fast, low temperature drying. Excellent screen stability. Low odour. High definition, particularly on halftones.

Co-use with other Inks

Co-use With Other Inks and Varnishes

May be overprinted by Colorjet CO and Aquacolor QL. May be printed over Colorjet CO, Aquacolor QL, Aquaspeed Ultra Display AS and Colorstar CS.

Where UV over-varnishing is required, Uvibond UV454 is recommended. For other UV varnishes please consult Sericol Technical Services.

IMPORTANT:

Stir well before every use. The inks are designed for indoor applications such as in-store displays or corrugated packaging. Where a water or paste resistant ink is required, such as for outdoor posters, Aquacolor QL inks are recommended.

*PANTONE® is the property of Pantone, Inc.

Standard Colours

Aquacolor Gloss WB:

WB001	Black/Tinting Black
WB021	White/Tinting White
WB064 (s)	Seritone Yellow (Green Shade)
WB066 (s)	Seritone Yellow (Red Shade)
WB114 (s)	Seritone Orange
WB121 (s)	Seritone Red (Yellow Shade)
WB164 (s)	Seritone Red (Blue Shade)
WB165 (s)	Seritone Magenta
WB127 (s)	Seritone Violet
WB230 (s)	Seritone Blue
WB325 (s)	Seritone Green
WB381	Extender Base
WB384	Matting Base

(s) = Seritone Base Colours

Trichromatic Colours to DIN 16538/9 (BS4160/4666)

WB052	Trichromatic Yellow
WB135	Trichromatic Magenta
WB215	Trichromatic Cyan
WB004	Trichromatic Black

Available in 10 kg containers.

Special Matches

Colours can be supplied against prints, wet ink samples or to PANTONE references, British Standard, 'HKS', 'Munsell' or 'Seritone' numbers. A sample of the substrate to be printed, with the number and type of mesh to be used, as well as other relevant data, should be attached to orders.

Minimum quantity 5 kg.

Storage

Protect from frost. For maximum shelf life, storage temperatures should not exceed 30°C. When stored in a cool environment, the inks are expected to have a shelf life of approximately 12 months from the date of manufacture.

Safety and Handling

Aquacolor Gloss WB:

- Is formulated to be free from any (toxic) carcinogenic, mutagenic or reprotoxic chemicals.
- Is formulated free from lead and other heavy metals and therefore should comply to the EN71-3: 1995 Toy Safety Standard.

Comprehensive information on the safety and handling of Aquacolor Gloss WB screen inks and solvents is given in the appropriate Sericol Safety Data Sheet, available upon request.

Environmental Information

Aquacolor Gloss WB:

- Does not contain ozone depleting chemicals as described in the Montreal Convention.
- Is formulated free from aromatic hydrocarbons which are known to have an adverse effect on the environment.
- Is water-based and therefore considerably reduces any adverse effects of solvents on the environment.

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.

SERICOL
More than ink...Solutions.



Sericol Limited Pysons Road Broadstairs Kent CT10 2LE England
Telephone: (01843) 866668 Fax: (01843) 872074

UK Sales

Tel: (020) 8391 8010
Fax: (020) 8391 8008

Customer Service Centres

Birmingham: (0121) 327 6608
Bristol: (0117) 951 8171
Broadstairs: (01843) 872178
Gateshead: (0191) 487 4414
Glasgow: (0141) 429 3919

Leeds: (0113) 244 2277
London-North: (01992) 782600
London-South: (020) 8391 5533
Warrington: (01925) 659788

Export Sales

Pysons Road Broadstairs
Kent CT10 2LE England
Tel: +44 (0)1843 866668
Fax: +44 (0)1843 872122

Technical Helpline
Tel: 0845 770 80 70

www.sericol.com