



Sericard KR Screen Inks for PVC Credit Cards

Sericard KR is specially developed for production of PVC credit, membership and identification cards. The inks permit a secure bond to be achieved between the printed central PVC core and the clear PVC face films when laminated by heat and pressure.

Seritone Matching System

The Seritone Matching System enables printers to readily match special colours.

The system consists of 9 base colours, each selected for its cleanliness of tone and suitability for intermixing. Using the Seritone base colours plus Black, White and Varnish, almost any colour can be produced.

The use of Universal Tinters is not recommended with Sericard KR inks.

Metallic Shades

Intermediate shades can be obtained by blending any of the 4 standard metallics. Further shades can be achieved by additions of Seritone base colours.

Additionally, MP494 Metallic Silver Powder can be blended with Sericard KR382 Metallic Ink Medium in the following proportions:

MP494 Metallic Silver Powder 10 parts by weight
KR382 Metallic Ink Medium 90 parts by weight

Recommended levels of metallic powder should not be exceeded as lamination performance may be affected. KR383 Sericard KR Varnish is not suitable as a metallic ink medium.

Standard Colours

KR001		Black
KR021		White
KR064	(s)	Seritone Yellow (Green Shade)
KR066	(s)	Seritone Yellow (Red Shade)
KR114	(s)	Seritone Orange
KR121	(s)	Vermilion/Seritone Red (Yellow Shade)
KR164	(s)	Seritone Red (Blue Shade)
KR165	(s)	Seritone Magenta
KR127	(s)	Deep Violet/Seritone Violet
KR230	(s)	Seritone Blue
KR325	(s)	Seritone Green
KR383		Sericard KR Varnish

(s) = Seritone Base Colours

Available in 1kg containers except for KR001, KR021 and KR383 which are only available in 5kg containers.

KR446		Hallmark Silver
KR447		Sterling Silver
KR448		Midas Gold
KR449		Prestige Gold
KR382		Metallic Ink Medium

Available in 5kg containers only.

Solvents

ZV552		Low Odour Thinner
Available in 15, 5 and 1ltr containers.		
ZV544		Retarder
Available in 5 and 1ltr containers.		

Main Characteristics

Finish

Satin

Drying

Jet drying: 55-60°C, 25 seconds.

Thinning

10-25% with ZV552.

For hot conditions or slow printing use ZV544.

Wash-up

Seriwash, Universal Screen Wash or Actisol Superjet Screen Spray.

Mesh

Standard Colours: Nos. 100.40-140.34 monofilament.

Metallics: Nos. 77.55-90.48 monofilament.

Stencil Type

Solvent resistant.

Recommended:

Dirasol 916, Indirect or 25 micron capillary film

Coverage & Mesh No.

55 m²/kg. No. 110.

Applications

PVC. Laminated and press polished credit, membership and identification cards.

Colour Range

Sericard KR is available in 15 intermixable non-toxic colours including Seritone Matching System and 4 metallic shades. KR383 Sericard KR Varnish is available as an overprint varnish and as a constituent of the Seritone Matching System.

Properties

Secure bond, even with edge to edge lamination. Good printing and drying properties. High definition characteristics. Excellent block resistance.

Printing Stocks

Specifically designed for use with PVC stocks normally used in credit card production. However, owing to variations in these materials, printers should satisfy themselves that suitable printing, laminating and other performance are obtained before commencing production runs.

IMPORTANT:

Stir well before every use. Dry prints should be stacked on edge or in small piles to obviate any tendency to block. As Sericard KR achieves a bond under laminating temperatures (120-160°C) it is important that jet drying temperatures do not exceed those recommended.

MP494 Metallic Silver Powder

Available in 1 and 5kg 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 5kg.

Safety and Handling

Sericard KR:

- 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 Sericard KR screen inks and solvents is given in the appropriate Sericol Safety Data Sheet, available upon request.

Environmental Information

Sericard KR:

- Does not contain ozone depleting chemicals as described in the Montreal Convention.

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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
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