Product Information

Seritec TH Screen Inks

Seritec TH is a range of lead free inks designed for printing second surface graphics for Membrane Touch Switch (MTS) and instrument panels.

Plastics

Certain plastics may be impregnated with lubricants which, like plasticiser migration, may impair adhesion even a considerable period after printing. This can usually be overcome by wiping the surface with white spirit before printing. Surface adhesive left from protective papers should be thoroughly removed in line with suppliers' instructions.

Certain plastics can become brittle when printed, possibly to the point of shattering, often only after several weeks. It is therefore essential to check compatibility between ink and plastic to guard against this problem.

The Seritone Matching System

The Seritone Matching System enables printers to readily and economically match a wide variety of special shades.
The Seritone matching colours have been specially selected for their cleanliness, colour strength and suitability for intermixing. Using the Seritone Matching Colours plus Black, White and Extender Base, almost any colour can be produced.

The matching colours can be used on their own but because of the required cleanliness of tone these colours, though strong, are in some cases relatively transparent.

Colour Range

Seritec TH is available in 13 standard intermixable colours plus base. Where required, TH381 Extender Base is available for intermixing.

Standard Colours

Seritec TH:

TH001	Black
TH021	White
TH023	Extra Opaque White
TH064 (S)	Light Yellow (GS)
TH066 (S)	Chrome Yellow (RS)
TH114 (S)	Deep Orange
TH127 (S)	Deep Violet/Seritone Violet
TH164 (S)	Seritone Red (BS)
TH165 (S)	Seritone Magenta
TH191 (S)	Vermilion
TH230 (S)	Seritone Blue
TH233 (S)	Seritone Blue (RS)
TH325 (S)	Seritone Green
TH381	Extender Base

(S) = Seritone Base Colours
(GS) = Green Shade (YS) = Yellow Shade
(RS) = Red Shade (BS) = Blue Shade

TH001, TH021, TH023 available in 5 kg containers. All other colours available in 1 kg containers.

Main Characteristics

Finish
Matt Opaque.

Drying
Jet drying: 50°C, 20-30 seconds. To minimise risk of crazing on polycarbonate, Seritec TH must be jet dried not air dried at ambient temperatures.

Thinning & Wash-up
10-20% with ZE598.
For slow production or fine detail in hot conditions use ZE801.
For high speed printing of block areas use ZV551.
Wash up with Seriwash Universal Screen Wash or Actisol Superjet Screen Spray.

Mesh
Nos. 90-120 monofilament.

Stencil Type
Any type except solvent adhering film and Stenplex Amber.
Recommend:
Indirect or 25 micron capillary film
FUJIFILM Sericol: Dirasol 902, Dirasol 916

Coverage & Mesh No.
55-65 m^2/kg. No. 110.

Applications
Polycarbonate, surface treated polyester, PVC.

Properties
Excellent screen stability and self-solvency.
Reliable adhesion to polycarbonate and surface treated polyester.
Superb flow, free from pinholing.
Fast, low temperature jet drying.

IMPORTANT:
Stir well before every use. Always test application fully before beginning production run as there is often considerable variance in plastics from different manufacturers and even between different batches.

Solvents:

ZE598 Thinner
ZV551 Thinner and Cleaner
ZE801 Retarder

Available in 5 ltr containers only.

Universal Tinters

A range of 10 highly concentrated colour bases for tinting. They are designed to mix easily into Seritec TH. Up to 10% tinters may be added. See Information Sheet 'Universal Tinters, Metallic Inks and Varnishes'.

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.

Fujifilm Sericol UK Limited

- Has certification to the International Environmental Standard, ISO 14001.
- Is committed to minimising the risk to users of our products, and also to minimising the impact of our activities on the environment, from formulation through to production and supply.
- Research & development team work to an in house Health, Safety and Environmental policy, termed 'Design for Health, Safety and Environment', with the aim of proactively developing products with the least impact on health, safety and the environment.
- Regularly review and monitor our impacts and activities, setting objectives and targets as part of a continual improvement process.
- Is committed to reducing waste through better use of raw materials, energy, water, re-use and recycling.

Safety and Handling

Seritec TH:

- Is not routinely tested, but is formulated to comply with the EN71-3: 1995 Toy Safety Standard.

Comprehensive information on the safety and handling of Seritec TH screen inks and solvents is given in the appropriate FUJIFILM Sericol Safety Data Sheet, available on request.

Environmental Information

Seritec TH:

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

*PANTONE® is the property of Pantone, Inc.

SERICOL
More than ink...Solutions.
FUJIFILM