



## 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: Dirasol 902, Dirasol 916

### Coverage & Mesh No.

55-65 m<sup>2</sup>/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.**

