INVISIBLE UV FLUORESCENT INKJET INKS:
Application, Substrate & Epson Piezo Printer Compatibility

1.0. General

This is a family of digital UV & infra-red inkjet inks (with dye & pigment-based options) developed for document security and the special effect industries (including packaging). It is an enhanced fade-resistance security formulation, offering invisible ink colours, fluorescence, and vibrancy that together make it suitable for medium to long term indoor/outdoor document applications where the exposure of fine design details can be of immense advantage.

- Prints made by these inks are invisible to the naked eyes under normal light, but become visible when aided by exposure to UV light or Infra-Red source.

- The nMarkOne ink family is a standard for invisible inkjet ink printing. It sets & locks into the surface of a substrate, protecting prints from abrasion/damage. Besides, it has excellent weather-ability and can be over-laminated without change to its output to ensure optimal colour and finish.

Invisible UV Fluorescent Inks For Piezo Printers

- This invisible UV fluorescent ink type is formulated and optimised for Epson piezo print head printers - Epson Small & Wide format printers and some Mimaki, Mutoh & Roland printers.

- Their prints are smudge-free, crisp, sharp and durable, with long-term performance and excellent adhesion of text & graphics to a substrate. There are seven colours (w, c, m, y, lc, lm & green).

Invisible Infra-Red (IR) Fluorescent Ink For Epson Piezo Printers

- This ink is visible only under IR-light or IR enabled digital cameras, with a range of visibility wavelengths starting from 800nm approximately.
- The ink colour is black, under optically filtered cameras

2.0. Applications

- Commercial Use
  - Branding & Conversion of signatures, patterns, artworks, signatures, serial codes, security marks and other prints
  - Travel documents
  - Bank & Promotional Cheques
  - Watermarked Stationery & Letterheads
  - Certificates (Educational, Financial, Birth, etc)
  - Custom Wallpapers, Murals & Coverings
  - Menus & Tickets for nightclubs; research results & formulations; etc
  - Other non-transferable re-admission documents or paper products (vouchers or [membership cards](#)) for sports, charity, concerts, theatre, cinema, exhibitions,

conferences, amusement parks, zoos, school fairs & dance, castles, public swimming pool) tickets.
- Personal/Domestic Use - Secret Hidden Messages, Wills, etc.
- Direct Mailing (including covert data mailing)
- Decorative/Special Effects: used for the production of glow-in-the-dark designs, decorating light switches and plastic & glass surfaces, colouring special security fibres,
- Many more >>>>.

Tips

- Using a suitable graphics software, you can add invisible security threads to your documents via stacks of layered images in order to create super secure, artistic, complex illustrations or formats of your personal or business data. Besides, you can easily & inexpensively reposition the images/text/codes in other locations while still preserving the look & feel of your original document. Your data only turns visible in fluorescent colours under UV light, and are invisible when scanned
- nMarkOne UV fluorescent inks can also be printed in multiple layers along with Invisible IR inks to further strengthen security. Security marks made by nMarkOne UV inks & Invisible IR inks of different wavelengths cannot be replaced by print processes.

3.0. Substrates:

nMarkOne UV fluorescent inkjet ink can be used on virtually any paper media that passes through an Epson piezo inkjet printer. For example, labels, tags, ID Cards, cheques, tickets, puzzles, posters and more.

- **Secure Stamp Papers -** off white & translucent options. [Can be supplied with or without water-soluble/pressure sensitive adhesive, if required].
- **Secure Wall Art Vinyl -** fast drying, tear-resistant white media designed for water-based inkjet inks, 'wallpaper', wall decals, door signs, floor graphics, etc. See your secured designs on the walls of your BARS/PUBLIC HOUSES.
- **Secure Digital Fine Art Papers/Canvas -** Enabling wireless security of museum, gallery, exhibition, in-transit, and private collection artworks, portraits and paintings.
- CBS1 & CBS2 Secure Papers - using cheque inkjet inks, etc.
- Secure Ticket & Receipt Papers - Football, Concert/Festival, Packaging, Museum, Tourist Site, Parking tickets; Credit Card terminals & Banking/ATM receipts.

- **Transaction bond Papers** - for a bill of laden, debit cards, insurance policy, share transfer, and other forms where optical character recognition (OCR) is required.
- **Secure Board Papers (up to 119gsm)** - for Photo Board Games/Jigsaw Puzzles, Posters, Brochure Cover, Adult Children, Book Cover, Exhibition Display

Interested in any of the above media? <u>Email us</u> for more info

4.0. Epson Small Format Printers

- Stylus Photo 870, 925, 935, 950, 980, 700, 750, 780, 790,1200, 1270, 1280, 1290, 1290S, 1400, 1500W, 2100, 2200, P50, PX610FW, PX650, PX660, PX700W, PX710W, PX720WD, PX730WD, PX800FW, PX810FW, PX820FW, PX820FWD, PX830FWD.
- R200, R210, R220, R245, R260, R265, R270, R285, R300, R310, R320, R340, R360, R390, R1900, R2000, R2880, R3000, RX500, RX510, RX520, RX560, RX585, RX590, RX600, RX620, RX640, RX685
- 1500W
- Stylus B40W, Office B32, Office B42WD, BX300F, BX305F, BX305FW, BX305FW+, Office BX310FN, BX320FW, BX525WD, BX600FW, Office BX610FW, BX630FN, BX635FWD, BX925FWD, BX935FWD, Office B1100
- C40S, C40UX, C60, C62, C63, C65, C68, C70, C80, C82, C83, C88, C88+, C120, CX 3800, CX4800, CX7400.

- DX3800, DX3850, DX4000, DX4400, DX4450, DX4800, DX7400, DX8400, DX9400F, DX9400 Wi-Fi, D78, D92, D68, D88, D120.
- NX215, NX305, NX415, NX420, NX510
- Stylus S20, S22, SX100, SX105, SX115, SX125, SX130, SX215, SX218, SX235W, SX400, SX415, SX430W, SX435W, SX445W, SX515W, SX525WD, SX535WD, SX600FW, SX610FW, SX620FW.
- Workforce 30, 40, 60, 320, 325, 520, 630, 635, 840, 1100, WF-2010W, WF-2540WF, WF-2530WF, WF-2510WF, WF-2520NF, WF-2650DWF, 2630WF, WF-266DWF, WF-3520DWF, Pro WP-4015DN, Pro WP-4025DW, Pro WP-4515DN, Pro WP-4095DN, Pro WP-4525DNF, WP-4535DWF, WP-4545DTWP, WP-4595DNP, WF-3010DW, WF-3530DTWF, WF-3540TWF, WF-7515, WP-M4015DN, WP-M4095DN, WP-M4595DNF, WP-M4525DNF, WF-M4545DTWF, WF-3620DWF, WF-7610DWF, WF-3640DTWF, WF-7620DTWF, WF-7110DTW, Pro WF-8090DW, Pro WF-8090DTW, Pro WF-8590DWF, Pro WF-8510DWF, Pro WF-4630DWF, Pro WF-4640DTWF, Pro WF-5110DWF, Pro WF-5190DW
Pro WF5620DWF, Pro WF-5690DWF, .etc.
- Stylus Colour 200, 300, 400, 440, 660, 777i, 880, 980, 1160, 1520, 3000, etc
- Artisan 50, 725, 835
- L110, L210, L300, L355, L550, L800, L1000, L1800, L8160, L8180, etc.
- Expression Home XP-102, XP-235, XP-302, XP332, XP-455, XP-5100, Photo XP-750, Photo XP-860;

Premium XP-510, Premium XP-530, Premium XP-620, Premium XP-710, Premium XP-900, etc

- Eco Tank ET-2500, ET-2550, ET-2600, ET-2650, ET-2700, ET-2720, ET-2750, ET-2820, ET-2856, ET-3600, ET-3750, ET-4500, ET-4550, ET-4750, ET-7700, ET-7750, ET-14000, ET-8500, ET-8550, etc.
- Business B-300, B-310N, B-500DN, B-510DN
- etc, etc

5.0. Epson & Other Large-Format Aqueous Printers & Plotters:

- **Epson** Stylus Pro 3000, 3880, 4000, 4400, 4450, 4800, 4880, 4900, 4900 Spectro Proofer, 4900 Spectro Proofer UV, 5000, 7000, 7400, 7450, 7500, 7600, 7700, 7800, 7880, 7890, 7890 Spectro proofer, 7890 Spectro Proofer UV, 7900, 7900 Spectro Proofer, 7900 Spectro Proofer UV, WT 7900, 9000, 9400, 9450, 9500, 9600, 9700, 9800, 9880, 9890, 9890 Spectro proofer, 9890 Spectro Proofer UV, 9900, 9900 Spectro Proofer, 9900 Spectro Proofer UV; SureColor SC P7000/9000 series printers SC-P7000 STD spectro, SC-P7000V, SC-7000 Violet Spectro, SC-P9000 STD, SC-P9000 STD Spectro, SC-P9000V, SC-P7070, SC-P9070, etc.
- **Mimaki** printers: JV2-11, JV4, JV5-1305, JV5-1605, JV5-3205, JV33-130, JV33- 160, etc
- **Roland** printers: Hi-FiJET Pro II series FJ-540, Hi-FiJET FJ-400, Hi-Fi JET Pro FJ-500, Hi-FiJET PRO FJ-

600, Hi-FiJET FH-740, FP-740, VersaArt RA 640, VersaCAMM, VP- 540i, VersaCAMM VP-300i, etc.

- **Mutoh** printers: ValueJet VJ-130, VJ-1304W, VJ-1604W, VJ-1618W, VJ-1624W, VJ-1624W, VJ-1638W, RJ-4000, RJ-6100, RJ-4100, RJ-8000, Drafstation RJ-900x, RJ-901X, RJ-900C, RJ-901C, etc

- Etc

Contact us - via +44 2085171256 or enquiries@inkribbonpaper.co.uk - for

- More compatible printers

- Invisible UV fluorescent inkjet inks

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