HelioNOTE

HelioID

HelioMARK

HelioSEC

HelioJET

INKJET INKS FOR IDENTITY DOCUMENTS

Inspiring Confidence.

LUMINESCENCE
Sun Chemical Security
a member of the DIC group
Color & Comfort

INKJET INKS FOR IDENTITY DOCUMENTS

In the world of Identity Documents Inkjet Inks are a great alternative to laser engraving for document personalisation. Apart from personalisation, inkjet can be used to apply a variety of security features in a flexible and cost-effective way. At Luminescence Sun Chemical Security we have a diverse portfolio of innovative inkjet inks tailored for printing on Polycarbonate or other polymer surfaces. All our inks comply with the ICAO Physical Durability standards.

High Resistance

All our UV-LED Curing inkjet inks are very resistant to wear even when no coating is applied. This opens a variety of options when it comes to document personalisation in terms of adding colour or having de-centralised personalisation due to cost efficiencies. We can even supply a protective varnish that can be added at the point of personalisation of your ID card or passport.""

Fluorescent Inkjet Inks

Fluorescence is a commonly used security feature on Identity Documents and our fluorescent inkjet inks differentiate themselves by their brightness and definition. A creative way of using Fluorescence on an Identity Document is combining Red, Green and Blue fluorescing inks to create full-colour images that only become visible when the document is exposed to ultra-violet light. Such a feature adds tremendous value in terms of design flexibility as well as easy authentication but would be very difficult to counterfeit, for example: by using the RGB feature during the personalisation stage you can bring a Greyscale image to life by turning it into a stunning full colour image under UV light. "

IR Absorbing-Transparent Pair

Using our IR paired Barcode you can now add 2 strings of variable Data at the personalisation stage to your Identity Document by printing 2 barcodes on top of each other. One visible only to the IR spectrum, the other a pigmented black ink that is truly invisible to the IR, using our IR barcode reader border agents can detect one string of data, and by using a standard cell phone anyone is able to read another string of data.