

UV SCRATCH OFF INKS

Switch to UV for Scratch Off printing on direct mail coupons, lottery games and sweepstakes.

APPLICATIONS

Scratch off inks are high opacity printing inks used to conceal underlying data or messages. These products are UV curable screen printing inks which are formulated to provide clean and easy removal with a fingernail or coin. These products will provide excellent opacity which will completely block out printed copy.

They are used in the printing of instant lottery tickets, commercial games (in magazine inserts for example), and direct mail, for amusement and promotional purpose.

They can be applied in multiple coats or as one heavy coat on top of a clear release coating. We recommend a UV varnish release coat such as our RELEASE VARNISH H6115 in order to avoid the Scratch Off absorption in the substrate.

Two components

- UV Scratch Off Varnish H6002 +13% Silver 16S
Opaque, flat screen printing

Monocomponents

- UV Scratch Off Varnish H4476
Opaque, rotary screen printing
- Scratch Off Silver HGM4451
Opaque
- Scratch Off **Gold** UV U40800
Medium opacity

UV Scratch Off inks are durable and flexible. These properties can be extremely influenced by the printing conditions such as ink film thickness, printing speed and efficiency of the UV lamps.



SCREENS

Depending on the opacity of the aluminium particles, a range of monofilament polyester mesh counts from 120 to 77 threads/cm (305-195 threads/inch) is recommended.



DRYING/CURING

The ink film has to be still soft but wipe resistant. All scratch off inks can be cured using a medium pressure mercury vapour lamp of at least 160W/cm. The optimum energy output is 250-300 Milli joule/cm².



CLEANING

Solvent H, ECO N, Solvent 93801

THINNING

Thinner ST178 (10% max)



STORAGE

- For two components systems, there is no shelf life
- For monocomponent systems, we guarantee chemical stability 6 months in the original, non-opened container.
- In case of sedimentation; it is possible to use the product after proper stirring. However, in case of chemical instability, the product is definitely not usable anymore.

HEALTH AND SAFETY

The vast majority of printing inks and related products formulated by Encres DUBUIT contain no substances of very high concern (SVHC) candidates for authorization (as of June 25, 2020) in concentrations greater than 0.1% by mass. Our products comply with the requirements of Directives 2011/65 / EU (RoHS 2), 2015/863 / EU (RoHS 3) and 94/62 / EC (heavy metal concentration levels present in packaging). For more information about our regulatory compliance, please consult our Eco System document, available on request.

Encres DUBUIT guarantees the quality of our products. However, we cannot guarantee the final result, because we exercise no control over individual operating procedures. Our responsibility is limited solely to the exchange of ink or varnish. The quality of a substrate to be printed can vary, as well as an overprinted ink; therefore, the above information is given in good faith based on the state of our art and prior experience. This statement also applies to our technical assistance. When using our inks and varnishes on a new substrate or when changing operating procedures, we strongly recommend testing first a full-scale production to ensure compatibility. Please refer to our General Conditions of Sales.

