

# CHROME UV H5999

UV screen printing ink to produce a high sheen metallic effect, very near from stamping finish

## APPLICATIONS

CHROME UV INK H5999 is a UV screen ink used to produce a high sheen metallic effect in different fields of application: Graphic, POP, container, labels, membrane, etc.

This ink is formulated to be press ready and is intended to be printed directly onto the substrate. It cannot be used to print over another ink. Thoroughly mix the ink prior to printing. The ink must be mixed at low shear.

### Warning:

H5999 is a silicon-free ink. Screen and squeegee need to be thoroughly rinsed with fresh cleaning agent prior to printing. Contaminations may result in bad flow (pin holes, surface defects...).

*We do not recommend mixing it with other inks, even for colour matching purposes (golds for example), this always generates a significant loss of reflectivity and chrome look.*

The chrome effect being ensured by the presence on the surface of very thin metal foils, impressions remain fragile to pressure (even from fingers). For the same reason, Tape test will remove particles from the surface.

## SUBSTRATES

Coated paper, most styrene, vinyl, Rigid PVC, PC, Pre-treated PET, glass, coated Glass...

On some materials (e.g. PET, glass...), hardener AM 9192 can be added (5%) to improve adhesion. Improved adhesion will not be demonstrated for 24 hours. The pot life of Chrome UV Ink H5999 when mixed with Hardener AM 9192 is two hours. This addition of hardener will slightly lower the final metallic effect.\*

## THINNING

- Thinner: ST 178 (5% max)
- Photo initiator: ST 307 (3% max)
- Adhesion promotor: Hardener AM9192

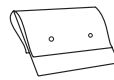


## SCREENS

Depending on the required graphics, the printing sequence, and the percentage of thinning, a range of monofilament polyester mesh counts from 120-150 threads/cm (305-381 threads/inch) is recommended.

## STENCIL

Solvent resistant, UV ink compatible direct emulsions and capillary films 15-20µ



## SQUEEGEES

70-90 durometer polyurethane squeegee...

## CLEANING

Solvent H, ECO N, Solvent 93801



## STORAGE

The guaranteed shelf life of our inks, undiluted, in the original, unopened container is applicable to inks stored in a dry, well-aired environment at a temperature between 15 to 25 °C (59-77 °F).

- Standard UV inks: 1 year
- Standard solvent based inks: 1 year
- Special shades in solvent or UV: 1 year
- Fluorescent colours: 3 months
- Gold and silver: 3 months
- Transparent shades: 6 months
- Special products, hardeners: 1 year

## 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.

