



"U.V. CD"

General description

U.V. CD is one component solvent free UV curing screen printing inks.

These inks have specially been developed for printing onto Optical disk format such Compact Disc, DVD, CDR and DVD with spin coatings as well as directly onto PC. .

Since the different spin coatings are subject to a certain post-curing, overprinting with UV-CD should be carried out as soon as possible.

Preliminary trials as to the compatibility of the spin coat and the ink are essential.

Characteristics

☞☞ "U.V. CD" inks have a good printability, excellent sharpness, glossy finish and high opacity for the white colour.

☞☞ They are supplied ready for use at the right printing viscosity, furthermore, due to the thixotropic nature of the ink, they do not run through the fabric at machine stop.

☞☞ The drying is very fast under ultra-violet light.

☞☞ Very good adhesion on the different spins coatings commonly used.

☞☞ **U.V.CD does not contain NVP (N-Vinyl-2-Pyrrolidone)**

Fabrics and coverage

Curing speed, coverage and opacity depend on the choice of the mesh.

Fabrics between 140 and 180 threads/cm are recommended.

The coverage is about 60 sqm/Kilo for white colour, 80 sqm/kg for other colours.

Drying

U.V. CD will cure at speed of 4.000/6.000 impression per hours using a 150-200 watt/cm UV lamp with wave length 320-420 nm.

The curing speed depends from on the following parameters:

- Power of UV dryer
- Ink thickness
- Colour shade and opacity.



SCREEN INKS

COLOUR RANGE

U.V.CD inks are supplied in the twelve basic shades of our matching system named “PMS”.
4-colour process shades are available in European scale.
All colours don't contain heavy metals - correspond to EN 71 Part III (safety of toys).

Storage and shelf life

All UV inks should be stored in closed, black polyethylene containers, at temperatures between 10 ° and 25°C.
U.V. CD has a minimum shelf life of 12 months, but it can remain usable for longer period, depending on storage conditions.

Packaging

All colours are available in 1 Kg. and 5 Kg. tins.

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This information is based on our direct experience but it does not answer any real guarantee.