

UVILED

Fast UV curing ink; Very high gloss.

Excellent adhesion on different types of glass (coated, non-coated...)

APPLICATIONS

This ink series is designed for printing on pre-treated packaging and container glass:

- Drinking bottles
- Pre-treated cosmetic containers
- Pre-treated restaurant glass such as drinking glass, ashtrays...
- Pre-treated glass for indoor use, such as slot machines, mirrors, glass for furniture

SUBSTRATES

- Glass
- Ceramic
- Drinking bottles (frosted glass, raw glass)
- Pre-treated or non-pre-treated cosmetic containers
- Drinking glasses
- Pre-treated restaurant glass such as drinking glasses, ashtrays...

BENEFITS

300 cycle's dishwasher resistance

Suitable for high printing speeds

Good adhesion, high gloss, good hardness, great resistance to scratch and chemical agents on flamed glass, coated glass (epoxy, water based, UV, PU).

Before use, add 4% hardener AM9192 and stir well.

Mixture pot life is around 10 hours if kept in a dark, dry and well-aired environment at a temperature between 15-25°C (59-77°F). Water resistance is obtained after 24 hours. Because of a large diversity of substrates, we recommend that you carry out pre-production trials.

For good adhesion, a uniform surface energy > 44mN/m is generally necessary.

INK ADHESION

The glass surface must be free of graphite, silicone, dust or grease or other residues (such as fingerprints).

On glasses that have undergone «cold end» treatment, a flame treatment should be performed.

On coated glass, a flame pre-treatment immediately before printing generally increases the adhesion of the ink on the media.

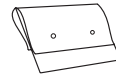
ASPECT

Very high gloss.



SCREENS

Mesh 355 – 450 thread/in.



SQUEEGEES

Single, double or triple durometer polyurethane blades with hardness between 65 and 75 shores.



DRYING/CURING

Optimal cure performance of 150 and 250 mJ/cm² is generally achieved with a UV-curing unit of one or two 120 W/cm (305W/in) lamps at belt speeds of 10 to 20 m/min (32 to 65 feet/min).

UV LED lamps at a wavelength of 385 nm or 395 nm.



CLEANING

Solvents H, ECO N or 93801.

THINNING

ST178: 1 to 5%.

PRINTING EQUIPMENT

Semi-automatic or automatic machines.

PACKING

1 kg & 5 kg.



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

COLOUR MATCHING

DUBUIT offers a full in-house colour matching service from 1 kg. Please provide as much information as possible regarding the type of substrate, colour, mesh used...

MULTIFLEX PIGMENT CONCENTRATES

It is possible to enhance the power of colours by adding the Multiflex pigment concentrates. Be aware, however, that the addition of an excessive amount of pigment concentrates may affect the polymerization; please do not use concentrates alone.

FLUORESCENT SHADES

They have to be used on white background. The pot life of these inks is about three months from the date shown on the packaging. The light resistance is limited in time, especially in outdoor exposure.

ADDITIVES AND SPECIAL PRODUCTS

Do not forget that additives must not be incorporated systematically in the inks, but must be used with caution as their dosage and their field of use can often present risks. The special products we deliver are of consistent quality. Encres DUBUIT cannot guarantee the work using these products. Indeed, they cannot influence neither the working methods nor the operating parameters.

HYGIENE AND SECURITY

Printing inks and related products formulated by Encres DUBUIT contain no substances of very high concern (SVHC) candidate for authorization (to July 07, 2017) and comply with the requirements of Directives 2011/65/EU (RoHS) 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.

UVILED RANGE SOLID COLOURS – 700 RANGE

ARTICLE DESIGNATION

	REF
Mid Yellow	710
Gold Yellow	720
Mandarin	730
Vermillion	740
Dark Red	750
Pink	760
Violet	770
Primary Blue	780
Emerald Green	790
BLACK, WHITE, BASE & VARNISH	
Mixing Black	701
Opaque Black	703
Mixing White	702
Opaque White	706
Base	095
Varnish For Powder	091
ADDITIVES	
Standard Thinner	ST178
Hardener	AM9192

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.

