

7800

Very high outdoor resistance
High quality stickers

APPLICATIONS

7800 SL 900 solvent-based ink series is designed to print on high quality self-adhesives used for car decoration, which requires a great resistance to outdoor exposure, and high light-fastness resistance.

SUBSTRATES

- High quality self-adhesives

BENEFITS

7800 series exhibits high resistance to petroleum, alcohol, oils and water. It can be thermo-soldered. This ink series has high light-fastness reaching 8 on the blue wool scale.

INK ADHESION

The ink must be printed on perfectly stable and clean substrates, free from traces of moisture and grease. Durability of the print will depend on the quality of the substrate as well as on the maintenance of the print.

The tests carried out with the inks in accelerated testing and outdoor exposure correspond to 5 years durability taking into account all the necessary precautions. This durability will be greatly reduced if the exposure is horizontal or if the prints are exposed in much warmer climates. All the prints were performed with a 90 mesh.

For a good resistance of the print, it is necessary to overprint it with varnish 7890. This resistance can be further optimized by achieving a second overprint with the same varnish in which 10% hardener ST305 have been added.

Because of a large diversity of substrates, we recommend to carry out trials prior to the full production.

ASPECT

Satin/Glossy ink

THINNING

Various diluents are available according the needed curing speed (5-20%):

- Fast curing: ECO Rapide R
- Medium curing: ECO Moyen M
- Slow curing: ECO Lent L
- Retarder: ECO Retardeur RTD

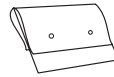
PRINTING EQUIPMENT

Semi-automatics or automatics machines.



SCREEN MESH

The recommended mesh is 77 to 120 threads/cm (196 threads/in to 305 threads/ in)



SQUEEGEES

Recommended with this ink: single, double or triple durometer polyurethane blades with hardness between 75 and 85 shore.



DRYING/CURING

- At ambient temperature: 1 to 2 minutes.
- Drying at 50/55 °C: 20 to 30 seconds.



CLEANING

Solvent ECO N, screen opener H5726

PACKING

5 kg



STORAGE

The 7800 ink series are guaranteed to be stable in their original, unopened packaging; they have a shelf life of 24 months. Storage should be at a temperature between 15 and 25 °C (59-77 °F)



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...

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.

HEALTH AND SAFETY

The vast majority of printing inks and related products formulated by Encres DUBUIT contain no substances of very high concern. 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.

EVALUATION OF LIGHT FASTNESS

The safest method of evaluation involves exposing the printed media in its actual atmosphere: the disadvantage of this method is the duration that must be equal to the desired time. The accelerated method allows to test the printed media in a specific device. In comparing the evolution of printing relative to standard stallions, we can deduct the strength indices (according to standard NFT 30-057):

1 = very poor - 2 = poor - 3 = moderate
4 = pretty good - 5 = good - 6 = very good
7 = excellent - 8 = outstanding.

Light fastness is the maintenance over time of the colour and intensity of a print. Not to be confused with the weather resistance or other factors than light which can decrease printing durability: moisture, air pollution, substrate, heat, cold, etc... Light Fastness depends on the nature of the light (day or artificial light) and on light intensity (climate, season...). The strength of a print can vary with the thickness of ink deposit (the thinner the ink thickness, the weaker the light resistance) and the nature of the substrate. The strength of an ink depends on the components used (some binders or pigments are more resistant than others to light) and the percentage of dye or of the quantity of white pigment in the ink. Thus we should now that:
Low intensity = loss of resistance.
Pastels Tons = loss of strength.

7800 INK RANGE LIGHT FASTNESS COLOURS - HIGH RESISTANCE 900 RANGE

ARTICLE DESIGNATION	REF.	CODE 1 KG - 1 L	CODE 5 KG - 5 L
Primavera Yellow	929		C078929C
Mid Yellow	931		C078931C
Orange	933		C078933C
Light Red	935		C078935C
Bright Red	937		C078937C
Pink	941		C078941C
Violet	944	C078944K	C078944C
Blue	946		C078946C
Emerald Green	948		C078948C
WHITE, BLACK & VARNISH			
White	30700		C078082CS
Opacity	HBB3714		C0783714C
Black	7811 SL		C078011C
High Covering White	7883 SL		C078083C
Varnish	7890 SL		C078090C
ADDITIVE			
Hardener	ST305	BDIV305K	

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.

