

7400

High flexibility

For a wide range of natural or synthetic fabrics

APPLICATIONS

7400 solvent-based ink series is a highly flexible ink especially developed for printing on coated fabrics as well as treated leather, nylon and polyester canvas products mainly used for sails, bags, etc...

SUBSTRATES

- Leather
- Boat sails
- Sports Bags
- Clothing in Tyvek © 14 and 16
- Fabric: cotton, nylon, polyester
- Coated fabrics
- Polyurethane foams and varnishes (leatherwear)

BENEFITS

The high flexibility of this ink series allows the use of very open screen (24 to 43 threads/cm - 61 to 110 threads/inch) in order to obtain the maximum covering on dark substrates.

INK ADHESION

Some fabrics receive a waterproofing treatment that can increase the difficulty of good adhesion, even several days after printing. It is thus always best to carry out tests prior to full production runs. To get improved washing resistance, add to the ink 10% of hardener ST305.

7400 inks can be combined with other solvent-based screen ink and UV offset inks for printing of PVC window stickers. Please consult us for further information. 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 Rapid
- Medium curing: ECO Moyen
- Slow curing: ECO Lent
- Retarder: ECO Retardeur

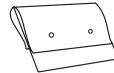
PRINTING EQUIPMENT

Semi-automatics or automatics machines



SCREEN MESH

The recommended mesh is 90 th/cm to 120 th/cm (230 th/inch to 305 th/inch), however it can also be used with coarse meshes of 24 to 43 th/cm (61 to 110 th/inch) which allow to reach maximum opacity on dark coloured substrates.



SQUEEGEES

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



CLEANING

Solvents ECO N, 93801, screen opener H5726



DRYING/CURING

This ink cures only by evaporation of the solvent. Speed of cure will depend on the thinner used in the mixture. Only for information, here are the average speeds of cure of this ink if mixed with 20% of Eco rapide diluent and printed with a 120 threads/inch screen.

- At ambient temperature: 4 to 6 minutes
- Drying at 50/55°C: 25 to 30 seconds

PACKING

1 kg & 5 kg



STORAGE

The 7400 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...

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.

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.



**7400 RANGE
SOLID COLOURS - 300 RANGE**

ARTICLE DESIGNATION	REF.	CODE 1 KG - 1 L	CODE 5 KG - 5 L
Primary Yellow	300	C074300K	
Mid Yellow	310	C074310K	
Gold Yellow	320	C074320K	
Mandarin	330	W32313K	
Vermillion	340	C074340K	
Dark Red	350	W32256K	
Pink	360	C074360K	
Violet	370	C074370K	
Primary Blue	380	C074380K	
Emerald Green	390	C074390K	
BLACK, WHITE & VARNISH			
Black	11	C074011K	
Matte Black	7411	W30935K	
Opacity	80	C074080K	C074080C
Opaque White	82	C074082K	C074082C
Varnish	90		C074090C
Matt Varnish	090	W34833K	W34833C
METALLIC SHADES			
Rich Gold		C074460K	
Pale Rich Gold		C074462K	
Pale Gold		C074464K	
Aluminium Shade	21S	C074470K	
Fluorescent Shades		C074800K	
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.