

2800

High flexibility

High resistance to plasticizers

APPLICATIONS

2800 solvent-based screen ink series is designed for printing on to flexible PVC, treated PET, and polycarbonate.

SUBSTRATES

- Soft and rigid PVC
- Treated Polyester
- Polycarbonate

BENEFITS

Its high flexibility and its low sensitivity to the migration of plasticizers make it possible to obtain excellent results on electrostatics, sheaths, notebook covers, book covers, etc... Compatible with thermoforming and thermo-soldering.

We can provide you matt shades and extra opaque, highly pigmented shades on demand. Please contact us for more details.

CAUTION:

Following shades deteriorate at a temperature above 120°C (248°F): Primavera Yellow 300 and Mid Yellow 310.

INK ADHESION

In case of difficult adhesion on certain substrates, you may use 30508 thinner; its excellent stability in the screen allows to use it either on manual machines or on automatic machines.

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

ASPECT

- Glossy ink
- Matt shades on demand

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
- As well as the 30508 thinner in case of adhesion difficulties.

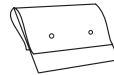
PRINTING EQUIPMENT

Semi-automatic or automatic machines



SCREEN MESH

The recommended mesh is 90 th/cm to 120 th/cm (229 th/inch to 305 th/inch).



SQUEEGEES

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



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, with 20% thinner ECO R and a 120 threads/cm screen.

- At ambient temperature: 2 to 3 minutes
- Drying at 50/55°C: 10 to 15 seconds



CLEANING

Solvents ECO N, screen opener H5726

PACKING

1 kg & 5 kg



STORAGE

The 2800 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...

METALLIC SHADES

They can be obtained by mixing varnish 6890 with silver powders.

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.

2800 RANGE SOLID COLOURS - 300 RANGE

ARTICLE DESIGNATION	REF.	CODE 1 KG - 1 L	CODE 5 KG - 5 L
Primavera Yellow	300		C028300C
Mid Yellow	310		C028310C
Golden Yellow	320		C028330C
Mandarin	330		C068330K
Vermillion	340		C028340C
Dark Red	350		C028350C
Pink	360		C028360C
Violet	370		C028370C
Primary Blue	380		C028380C
Emerald Green	390		C028390C
BLACK, WHITE, VARNISH			
Black	11		C028011C
Covering White	82		C028082C
Varnish	90		C028090C
METALLIC SHADES			
Rich Gold		C028460K	
Pale Rich Gold		C028462K	
Pale Gold		C028464K	
Silver	21S	C028470K	
Silver Glitters	18S	C028471K	
Fluorescent Inks		C028800K	
ADDITIVES			
Thinner Eco	SLOW	DLL	DLQ
Thinner Eco	MEDIUM	DML	DMQ
Thinner Eco	FAST		
Thinner Eco	SUPER FAST		DSRQ
Thinner 30508	30508		D3058Q
Retarder		DRTDL	DRTDQ

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.

