

# Labelgloss

Self-adhesive labels

Very glossy and very fast curing ink

High resistance to water and chemical products

## APPLICATIONS

LABELGLOSS ink series is designed for the label industry. Its rheology makes it suitable for flatbed printing of labels. It adheres on a wide range of substrates: top coated PP, PE, PVC, coated papers.

## SUBSTRATES

- Coated papers
- Kromekotes
- Self-adhesive vinyls
- Top-coated polypropylene and polyethylene
- Treated polyester
- Top-coated metallised substrates

## BENEFITS

Suitable for different areas of the label industry: cosmetics/personal care, wines and spirits and technical labels. Labelgloss is ready-to-use and well adapted to print fine details. It also has an excellent high gloss finish.

Labelgloss can be cured by standard UV mercury vapours lamps as well as UV-LED lamps. In this case, a 385-395 nm wavelength is necessary.

## INK ADHESION

Because of a large diversity of substrates, we recommend to carry out pre-production trials.

## ASPECT

Glossy

## THINNING

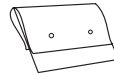
Standard thinner: ST178 (1 to 5%).

However, in case of adhesion difficulties with opaque whites and blacks or when printing on some PVC, use the reactive thinner AM9345 (1 to 5%).



## SCREEN MESH

Encres Dubuit recommend the use of 120.34 PW to 165.27 PW (305 threads/in to 420 threads/ in)



## SQUEEGEES

Single, double or triple durometer polyurethane blades with hardness between 75 and 85 shore



## DRYING/CURING

Optimal cure performance of 150 and 250 mJ/cm<sup>2</sup> is generally achieved with a UV-curing unit of one or two 120 W/cm (305W/in) lamps at belt speeds of 15 to 30 m/min (32 to 65 feet/min). It can cure also with UV-LED lamps. Opaque white, opaque shades and metallic shades will cure at belt speed of around 10m/minute.



## CLEANING

Solvents ECO N, 93801, screen opener H5726

## PRINTING EQUIPMENT

Flatbed and roll-to-roll printers at 15 to 30 m/minute

## PACKING

1 kg & 5 kg





### STORAGE

The LABELGLOSS 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...

### 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.

### 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.

The Labelgloss Series should not be used for printing food packaging material that is not recognized as an appropriate barrier (plastic, cardboard, paper and labels affixed to these media).

### 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.

*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.*



**LABELGLOSS INK RANGE  
SOLID COLOURS - 700 RANGE**

<b>ARTICLE DESIGNATION</b>	<b>REF.</b>	<b>CODE 1 KG - 1 L</b>	<b>CODE 5 KG - 5 L</b>
Mid Yellow	710	BGLOSS710K	
Golden Yellow	720	BGLOSS720K	
Mandarin	730	BGLOSS730K	
Vermillion	740	BGLOSS740K	
Dark Red	750	BGLOSS750K	
Pink	760	BGLOSS760K	
Violet	770	BGLOSS770K	
Primary Blue	780	BGLOSS780K	
Emerald Green	790	BGLOSS790K	
<b>BLACK, WHITE, BASE &amp; VARNISH</b>			
	<b>REF.</b>	<b>1 KG</b>	<b>5 KG</b>
Mixing Black	701	BGLOSS701K	
Mixing White	702	BGLOSS702K	
Opaque Black	703	BGLOSS703K	
Opaque White	706	BGLOSS706K	
Varnish	090	BGLOSS090K	
Base	095	BGLOSS095K	
<b>ADDITIVES</b>			
Standard Thinner	ST178	D178L	D178Q
Reactive Thinner	AM9345	D9345K	D9345Q
<b>PHOTO INITIATOR</b>			
Standard Pi	ST307	BDIV307K	

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