

# 8600

Excellent adhesion on various substrates such as glass, metal, lacquered metals, ceramics, various plastics...

Very high resistance to abrasion and chemicals

## APPLICATIONS

The two-component epoxy ink series 8600 has excellent adhesion to many glass, plastic and metal substrates (glass, metal, lacquered metal, polyethylene and treated polypropylene), very high surface hardness, excellent gloss and very good resistance to abrasion, chemicals, solvents and alcohols.

## BENEFITS

- Good pot life of the ink + hardener mixture
- Excellent gloss
- Excellent surface tension
- High stability of ink in the screen
- Avoid color separation on pastel shades
- High pigment concentration
- Yellow and red colors are resistant to high temperatures (150 °C)
- When perfectly cured this ink has excellent resistance to many products.

## HARDENER

The hardener 3756 is specially adapted to this ink. Refer to the table below for their terms of use

### Very important :

The use of the 3756 hardener requires compliance with the following instructions for use:

1. Introduce the necessary amount of hardener (10% by weight) and mix well.
2. Wait 10 to 15 minutes before use, this time is imperative in order to obtain the gloss and optimal resistances (a shorter time would considerably harm the appearance and especially the resistances).

When printing in multi-color with overlays, there is a risk of inter-layer incompatibility if the intermediate drying is too high.

It is imperative to perform a test before going into production.

The adhesion control must be done 48 hours after the exit of the oven. Indeed, at the exit of the oven the ink can still be a little fragile on the surface.

Once the intermediate drying is set, it is essential to provide a final drying at 150 °C for 30 minutes for maximum resistance.

## Special case:

Polypropylene sheets: this type of substrates is Corona treated during the manufacture of the support, but the duration of this treatment is limited in time, so we advise before printing to check the degree of treatment using a solution to evaluate the surface energy of the media to print.

## SUBSTRATES

- Glass
- Ceramics
- Metal
- Lacquered metal
- Plastics
- Polyethylene
- Treated polypropylene

Due to the diversity of media, it is advisable before industrialization to conduct a production test.

## ASPECT

Very glossy

## THINNING

Different thinners are available depending on the result you want to achieve (5-20%):

- Quick drying: Eco Rapide
- Medium drying: Eco Moyen
- Slow drying: Eco Lent
- Retarder : Eco Retarder

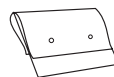
## PRINTING EQUIPMENT

Semi-automatic machines



## SCREEN MESH

Mesh 77 to 120 thread/cm  
(196 th/inch to 305 th/inch)



## SQUEEGEES

SR1 or HR1 type (one layer), 85 or 75 shore





## SÉCHAGE/DURCISSEURS

Hardener	Substrates	Ratio	Pot Life	Drying speed
3756	Treated PE and PP, glass, metal, lacquered	90% ink 10% hardener	more than 10 hours	80 °C for plastics 30 to 45 minutes 80 to 150 °C for glass & metal 30 to 45 minutes



### CLEANING

Solvents G, 93801

### PACKING

1 kg & 5 kg



### STORAGE

If the ink is stored in a dark place, in its original sealed packaging, at a temperature of 15-25 °C, the storage time is:

- 36 months for colors, whites, blacks, and bases
- 18 months for varnish 090

### COLOUR MATCHING

Our color matching department works with an Xrite software and a spectrophotometer. It allows us to carry out any of your colour matching from 1kg. It is then necessary to give us as much information as possible about the type of substrate and its color, the screen mesh used, as well as a wet sample of the desired final shade.

If you have an Xrite software, we can also send you the IFSX files of the formulation guide. These formulation guides are also available in Excel files.

### ADDITIFS :

#### Additive 45576

Use 1% to 2% to avoid color separation in pastel shades

#### Gloss Additive H3722

Use 5% to 10% to improve the tension surface and the glossiness of the ink film

#### Thinner 30508

If the pot life of your mixture is still not sufficient, add maximum 3% to increase the pot life. Compatible with other thinners.

### 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 8600 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).

ARTICLE DESIGNATION	REF.	CODE 1 KG - 1 L	CODE 5 KG - 5 L
Primary Yellow	500	C086500K	
Mid Yellow	510	C086510K	
Gold Yellow	520	C086520K	
Mandarin	530	C086530K	
Vermilion	540	C086540K	
Dark Red	550	C086550K	
Pink	560	C086560K	
Violet	570	C086570K	
Primary blue	580	C086580K	
Emerald Green	590	C086590K	
<b>BLACK, WHITE &amp; VARNISH</b>			
Black	13	C086013K	
White	83	C086083K	
Varnish	090	C086090K	
<b>ADDITIVES</b>			
Hardener	3756	C0853756K	
Additive for pastel shades	45576	E45576K	
Additive for gloss and surface tension	H3722	CDIVH3722K	
Thinner	30508	D30508Q	

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.

