Encres DUBUIT
INNOVATIVE INKS

Graphiplus

UV screen printing ink for visual communication, POS displays...

APPLICATIONS
This ink series has been developed for printing on: corrugated cardboard, compact cardboard, various papers, for POP, displays...

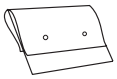
SUBSTRATES
- Corrugated cardboards, (including micro flutes)
- Compact cartons
- Other papers
- PLV
- Displays
- Luxury cases

BENEFITS
High Gloss, high opacity, good flexibility

INK ADHESION
Because of the large diversity of substrates, it is recommended to carry out pre-production trials.

ASPECT
Glossy

SCREEN MESH
Mesh 140 to 180 threads/cm (355 threads to 450 threads/inch)



SQUEEGEES
Single, double or triple durometer polyurethane blades with hardness of 75 shore

DRYING/CURING
UV curing ink. Optimal cure performance of 150 and 250 mJ/cm is generally achieved with a UV curing unit of one or two 120 W/cm lamps at belt speed of 10 to 20 m/min (32 to 65 feet/min).

CLEANING
Solvents H, ECO N, 93801

THINNING
Thinner ST178, 1 to 5%

PRINTING EQUIPMENT
Semi-automatic or automatic machines

PACKING
5 kg

STORAGE
The GRAPHIPLUS 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.

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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.

GRAPHIPLUS INK RANGE
SOLID COLOURS - 700 RANGE

ARTICLE DESIGNATION	REF.	CODE 1 KG - 1 L	CODE 5 KG - 5 L
Mid Yellow	710		BGPL710C
Golden Yellow	720		BGPL720C
Mandarin	730		BGPL730C
Vermillion	740		BGPL740C
Dark Red	750		BGPL750C
Pink	760		BGPL760C
Violet	770		BGPL770C
Primary Blue	780		BGPL780C
Emerald Green	790		BGPL790C
BLACK, WHITE, BASE & VARNISH			
Mixing Black	701		BGPL701C
Mixing White	702		BGPL702C
Opaque Black	703		BGPL703C
Base	095		BGPL095C
PROCESS COLOR			
Yellow	438		BGPL45884C
Black	410		BGPL45885C
Magenta	422		BGPL45901C
Cyan	450		BGPL45902C
ADDITIVE			
Standard Thinner	ST178	D178L	D178Q
SPECIAL SHADES ON REQUEST			

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