

8MK

Mat finish

Easy to use and very flexible

Very intense colors

APPLICATIONS

8MK is the mattest UV ink in Encres DUBUIT's range.

SUBSTRATES

- Paper
- Cardboard
- Self-adhesive PVC
- Rigid PVC mat or glossy
- Top-coated PP and PE
- Polycarbonate

BENEFITS

Specially designed for graphic and industrial application, 8MK series combines high flexibility and fast curing characteristics. It is characterized by a good inter-coat adhesion.

INK ADHESION

▪ Photo-initiator ST307:

It improves the ink's reactivity to the UV light and thus increases the curing speed.

Dosage: 1 à 3 %.

▪ Adhesion promoter ST305:

In order to improve the water resistance and the adhesion to difficult substrates, such as PP and PE

Dosage: 1 to 3 %.

Because of a large diversity of substrates, we recommend carrying out pre-production trials

ASPECT

Mat

VARNISHES

H2788 is a low viscosity varnish to get a matt finish aspect.

090 HV (HV = High Viscosity) is totally suitable to get a high ink deposit with a large opening mesh such as 32 or 43 threads/cm.

THINNING

The most appropriate thinner is AM9345.

Our thinner AM9090 can also be used.

Dosage: 1 to 5%

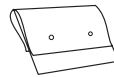
PRINTING EQUIPMENT

Manual, semi-automatic or automatic printers



SCREEN MESH

The recommended mesh is 140 to 165 threads/cm (355 threads/in to 420 threads/in).



SQUEEGEES

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



CLEANING

Solvents ECO N, 93801 or H5726



DRYING/CURING

Optimal cure performance of 150 and 250 mJ/cm² 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).

Black and whites are difficult to cure if your lamps and reflector are not very clean and powerful. If you have any curing problem, please try adding up to 50 % of base 095.

PACKING

1 kg and 5 kg



STORAGE

The 8MK 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.

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.



8MK INK RANGE SOLID COLOURS - 300 RANGE

| ARTICLE DESIGNATION | REF. | CODE 1 KG - 1 L | CODE 5 KG - 5 L |
|---|---------|-----------------|-----------------|
| 8MK Primavera Yellow | 300 | B8MK300K | B8MK300C |
| 8MK Mid Yellow | 310 | B8MK310K | B8MK310C |
| 8MK Golden Yellow | 320 | B8MK320K | B8MK320C |
| 8MK Mandarin | 330 | B8MK330K | B8MK330C |
| 8MK Vermilion | 340 | B8MK340K | B8MK340C |
| 8MK Dark Red | 350 | B8MK350K | B8MK350C |
| 8MK Magenta 360/420 | 360/420 | B8MK360-420K | BDIVHCV3029C |
| 8MK Violet | 370 | B8MK370K | B8MK370C |
| 8MK Reflex Blue | 270 | B8MK270K | W41302C |
| 8MK Cyan 380/450 | 380/450 | B8MK360-450K | BDIVHCC2987C |
| 8MK Emerald Green | 390 | B8MK390K | B8MK390C |
| PROCESS COLOURS | | | |
| 8MK Cold Yellow 6/7L | 430 | | B8MK430C |
| 8MK Warm Yellow 5/6L | 440 | | B8MK440C |
| 8MK Magenta 360/420 | 360/420 | B8MK360-420K | BDIVHCV3029C |
| 8MK Cyan 380/450 | 380/450 | B8MK360-450K | BDIVHCC2987C |
| 8MK Black | 410 | | B8MK410C |
| BLACK, WHITE, BASE & VARNISH | | | |
| 8MK mixing Black | 601 | B8MK601K | B8MK601C |
| 8MK Supermat Black intense | 203 | BDIVH0774K | |
| 8MK White | 602 | B8MK602K | B8MK602C |
| 8MK White SOLO* | 706 | B8MK706K | B8MK706C |
| 8MK Varnish high viscosity | 090HV | B8MK090K | BDIVHLM2878C |
| 8MK Varnish | H2788 | B8MK2788K | BDIVHGM2788C |
| 8MK Base | 095 | B8MK095K | B8MK095C |
| 8MK Thixo Base | 098 | | B8MK098C |
| ADDITIVE | | | |
| Reactive Thinner | AM9345 | D9345L | D9345Q |
| Thinner | AM9090 | D9090L | D9090Q |

*8MK White SOLO is not miscible with the other references of the 8MK range
MUST BE USED ALONE

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.

