

Uvimax

Provisional technical datasheet

High quality stickers for car decoration
Very high outdoor and light fastness resistance

APPLICATIONS

UVIMAX ink series is designed to print onto high quality self-adhesives used for outdoor.

SUBSTRATES

- PVC
- Adhesives PVC film
- Flexible PVC

BENEFITS

Great flexibility which allows double side printing on PVC without weakening the substrate.
UVIMAX standard shades have very good weather resistance.

INK ADHESION

In order to improve adhesion on difficult substrates, you have to add 5% of thinner AM9345.
Because of a large diversity of substrates, we recommend that you carry out trials prior to a full-scale production.

ASPECT

Glossy

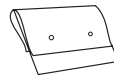
OVERPRINTING VARNISH

Use the Varnish 090 H5701 as a protection Varnish when you need not to use an Application Tape.
When you have to use an Application Tape (AT) the Varnish AT H5304 is recommended to avoid an incompatibility with AT film.
Varnish AT H5304 is a Silicon Free product.



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 200 mJ/cm² is generally achieved with a UV curing unit of one or two 120 W/cm lamps at belt speed of 10 m/min (32 feet/min).



CLEANING

Solvents ECO N or 93801

THINNING

- Thinner UV AM9345 (1% to 5%)
- Flexible Thinner AM9090 (1% to 5%)

PRINTING EQUIPMENT

Semi-automatic or automatic printers

PACKING

5 kg



STORAGE

The UVIMAX 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...

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.



UVIMAX RANGE SOLID COLOURS - 900 LIGHT FASTNESS COLOURS

ARTICLE DESIGNATION	REF.	CODE 5 KG - 5 L
Yellow	931	BUVM931C
Orange	933	BUVM933C
Red	935	BUVM935C
Dark Red	939	BUVM939C
Pink	960	BUVM960C
Violet	970	BUVM970C
Blue	980	BUVM980C
Emerald Green	990	BUVM990C
BLACK, WHITE, BASE & VARNISH		
Mixing Black	901	BUVM901C
White	706	BUVM706C
Opaque Black	903	BUVM903C
Glossy Varnish	090 H5701	BUVM5701C
Varnish For A.T.	HCC5304	BUVM5304C
Opacity	H0769	BUVMH0769C
Base	095	BUVM095C
PROCESS COLOURS		
Base	098	BUVM098C
Magenta 7/8L	420	BUVM420C
Cold Yellow 6/7L	430	BUVM430C
Warm Yellow 6/7L	440	BUVM440C
Cyan	450	BUVM450C
Black	410	BUVM410C
ADDITIVE		
Reactive Thinner	AM9345	D9345Q
Flexible Thinner	AM9090	D9090Q

Encres DUBUIT garantit la qualité de ses produits. Cependant, nous ne pouvons pas garantir le résultat final, car nous n'exerçons aucun contrôle sur les procédures d'exploitation individuelles. Notre responsabilité se limite uniquement à l'échange d'encre ou de vernis. La qualité d'un substrat à imprimer peut varier. Par conséquent, les informations ci-dessus sont données de bonne foi sur la base de l'état de notre art et de l'expérience antérieure. Cette constatation vaut aussi pour notre assistance technique. Lors de l'utilisation de nos encres et vernis sur un nouveau substrat ou lors du changement des procédures d'exploitation, nous recommandons fortement de tester d'abord une production à grande échelle pour s'assurer de la compatibilité de l'encre. Veuillez-vous référer à nos Conditions Générales de Ventes.