

MG-PAD - 800 Color System

Solvent-based PAD PRINTING ink, two-component, for industrial application on GLASS and METAL

Compatible with all types of inkwells

APPLICATIONS

MG-PAD is a two-component pad printing ink for industrial glass and metal applications.

SUBSTRATES

- Glass
- Metal
- Ceramic

BENEFITS

This pad printing ink is characterized by excellent hardness, excellent mechanical and chemical resistance.

THINNING AND DRYING

MG-PAD thinners should be adjusted before use to the required viscosity by adding one of the following:

- THINNER FAST: T-F
- THINNER UNIVERSAL: T-U
- THINNER SLOW: T-S

The thinner choice depends on the print parameters and the speed of production.

The touch-dry time is related to the deposit of ink printed on your support. It depends on the print settings such as the choice of cliché, the choice of thinner or the ambient temperature.

ASPECT

Very glossy

CLICHES & PAD PRINTING MACHINES

The curing system of MG-PAD ink ensures an application in open and closed machines, if the ink's viscosity has been adjusted with the appropriate thinner.

Standard steel or photopolymer clichés can be used. An etching depth of 20–30 microns is recommended for optimum layer thickness.

MG-PAD has been studied to be not corrosive, the ink ensures a smooth use with steel clichés.

Best printing results will be achieved with a pad reactivated by cleaning with a solvent such as an alcohol to remove residual silicone from pad's surface.

HARDENER & POT LIFE

When the MG-PAD is mixed with 5% AM 9192 hardener, the pot life is approximately 6 hours at room temperature (20 °C).

The use of hardener AM 9192 requires compliance with the following instructions:

1. Add the required amount of hardener (5% by weight) and mix well.
2. Wait 15 minutes before use, this time is imperative in order to obtain the glossiness and the optimal resistances (a shorter time would be detrimental to the aspect and especially to the resistances).

| Hardener | AM 9192 |
|--|--------------------------------|
| Dose use | 95% ink 5% hardener |
| Time of use | 6 hours |
| Temperature and polymerization time in an oven | 100 to 130 °C 20-30 minutes |
| Polymerization time outdoors | 7 days |



CLEANING

The pad printing equipment (machine/plate) can be cleaned with the standard solvent from Encres DUBUIT: 93801.

SURFACE ENERGY

A uniform surface energy of at least 42 mN/m is required for a good adhesion. The substrate surface should be free of graphite, silicone, dust and residues of grease or similar substances (e.g. finger prints).

PACKING

1 kg metal box



STORAGE

The MG-PAD ink series are guaranteed to be stable in their original, unopened packaging; they have a shelf life of 36 months. Storage should be at a temperature between 15 and 25 °C (59-77 °F)

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.

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.

| MG-PAD RANGE | | |
|----------------------------------|-------------|------------------------|
| SOLID COLOURS - 800 RANGE | | |
| ARTICLE DESIGNATION | REF. | CODE 1 KG - 1 L |
| Lemon Yellow | 805 | CMGPAD805K |
| Yellow | 810 | CMGPAD810K |
| Orange Yellow | 820 | CMGPAD820K |
| Orange | 830 | CMGPAD830K |
| Vermilion | 840 | CMGPAD840K |
| Rubine | 850 | CMGPAD850K |
| Pink | 860 | CMGPAD860K |
| Violet | 870 | CMGPAD870K |
| Blue | 880 | CMGPAD880K |
| Deep Blue | 885 | CMGPAD885K |
| Green | 890 | CMGPAD890K |
| BLACK, WHITE, VARNISH | | |
| Black | 13 | CMGPAD013K |
| SF Black (Silicon Free) | 14 | CMGPAD014K |
| White | 83 | CMGPAD083K |
| Varnish | 090 | CMGPAD090K |
| THINNERS | | |
| THINNER FAST | T-F | DTFL |
| THINNER UNIVERSAL | T-U | DTUL |
| THINNER SLOW | T-S | DTSL |
| ADDITIVES | | |
| Hardener | AM 9192 | E9192 |
| Levelling Agent | ST155 | BDIV155K |

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.