

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

The MPI ink is a solvent ink.

APPLICATIONS

Rigid PVC or adhesives, polystyrene, polycarbonate, acrylic supports.

The above-mentioned substrates may differ according to their origin. It is therefore essential to carry out preliminary tests.

PRINTING

Semi-automatic and manual machines.

MAJOR ADVANTAGES

- Remarkable shine.
- Very high flexibility, supporting the stretching or shrinking of printed media without inconvenience.
- Very good printability.
- Large choice of shades.
- High-performance light, fluorescent and four-color shades.

ASPECT

Glossy.



Substrate	Rigid or adhesive PVC, ABS, PC, PMMA
Mesh	200 to 355 threads/inch (79 to 140 threads/cm)
Emulsion	All types of solvents resistant emulsions
Squeegee	65shA or 75shA
Drying	Solvent evaporation
Diluent and additive	Thinner MP201 Retarder MP203
Cleaning	77 BIO
Storage	5 years stored between +5°C et +35°C

COLOR RANGES & PACKAGING

BASIC COLORS

MP102 WHITE	1L
MP404 ORANGE	1L
MP406 GOLDEN YELLOW	1L
MP501 LEMON YELLOW	1L
MP612 GREEN	1L
MP701 VIOLET	1L
MP719 PERMANENT BLUE	1L
MP801 RED	1L
MP810 CARMINE	1L
MP811 PINK	1L
MP902 BLACK	1L

STANDARD COLORS

MP433 SUPER ORANGE	1L
MP526 MEDIUM YELLOW	1L
MP531 RICH YELLOW	1L
MP638 BRILLIANT GREEN	1L
MP7018 REFLEX BLUE	1L
MP7019 PROCESS BLUE	1L
MP722 BRILLIANT BLUE	1L
MP727 BLUE	1L
MP743 FRENCH BLUE	1L
MP828 FIRE RED	1L
MP830 BRIGHT RED	1L

LIGHT FASTNESS COLORS

MP404 ORANGE LF	1L
MP406 GOLDEN YELLOW LF	1L
MP501 LEMON YELLOW LF	1L
MP801 RED LF	1L

FLUORESCENT SHADES

MP480 ORANGE FLUO	1L
MP580 JAUNE FLUO	1L
MP580 GREEN FLUO	1L
MP881 ROUGE FLUO	1L
MP883 MAGENTA FLUO	1L

OPAQUE BLACK / WHITE

MP103 OPAQUE WHITE	1L - 5L
--------------------	---------

DILUENTS AND ADDITIVES

MP201 THINNER	1L
MP203 THINNER	1L

PROCESS COLORS

MP002 BASE TIX	1L
MP560 YELLOW TIX RES. PROCES	1L
MP750 CYAN TIX PROCESS	1L
MP860 MAGENTA TIX RES.	1L
MP950 BLACK TIX PROCESS	1L

VARNISHES

MP UV ABSORBER 03	1L - 5L
MP003 OV VARNISH/CLEAR	1L - 5L

GOLD / BLACK BOARD

MP306 RICH GOLD	1L
MP9501 ARDOISINE	1L

INSTRUCTIONS FOR USE

SCREEN

Mesh from 79 to 140 thread/cm. Emulsions and films must be solvent resistant.

SQUEEGEE

Polyurethane 65 shA or 75 shA.

PERFORMANCE

Depending on the fineness of the fabric used, the yield varies between 40 and 60 m²/liter.

DILUTION

MPI inks are diluted with 10 to 15% MK201 thinner. In case of high ambient heat, or in general if the inks tend to dry on the screen, a significant part of normal thinner must be replaced with the MP2023 retarder.

MIXING

The inks of MPI range are miscible with each other to obtain intermediate tones.

BASE-VARNISH

To reduce the intensity of the colors or obtain semi-transparent effects, the MP003 overprint varnish base can be added, but the lightfastness will be proportionally affected.

It is used as a binder for gold and silver pastes. Overprinting with MP UV ABSORBER 03 varnish will provide protection against light and bad weather.

OPACITY-APPEARANCE

Possibility of using high opacity white MS103 as an undercoat or as a support white for window stickers. MS103 offers very high opacity as well as remarkable rendering.

ADHESION-RESISTANCE

The high elasticity of the ink makes it possible to withstand the stretching and elongation of printed media without inconvenience.

DRYING

Ambient air: depending on the temperatures of uses, the prints are dry to the touch after approximately 1 hours stackable 8 hours later.
Forced air: MPI inks can be dried with hot air between 40 and 50 degrees in well-ventilated tunnel equipped with a cold air module at the end of the line. It is important to ensure that the printed materials are completely dried and cooled before stacking.

PRODUCT PROPERTIES

On substrates with low surface energy, the treatment must be higher than 41 dynes/cm. After the support has completely cooled to room temperature, the printed ink film must withstand the 3M810 tape test after gridding. Good exterior resistance with varnish overprint MP UV ABSORBER 03. However, printed media should be handled with care.

HANDLING

Homogenize before use.

SCREEN CLEANING

Cleaning with the 77BIO bio solvent is recommended.

WASTE MANAGEMENT

Packaging contaminated with hazardous substances. Do not dispose into the environment. VFP Ink Technologies encourages all users to develop a responsible environmental policy.

HEALTH AND SAFETY

Refer to the MSDS. We recommend that you wear Personal Protective Equipment recommended by the MSDS and follow its handling precautions.

STORAGE

5 years in its original packaging stored between +5°C and +35°C

Guarantee reserves: Although the data in this leaflet have been established after careful testing, it is provided as a guide; no liability can arise from this for VFP, it being understood that we advise you to carry out preliminary tests before any commercial draw. No seller, representative or agent has the right to give any guarantee or insurance, which would be in contradiction with what is said above. In any case, refer directly to our general conditions of sale.