









Technical Data Sheet

Fluorescent Paint Marker Ink – FPM2



With 8 eye-catching colours to choose from **FPM2** inks are perfect for creating displays and signs that stand out under both UV (black) light and normal daylight conditions. **FPM2**'s vivid colours are visually striking on both light and dark surfaces. Suitable for marking glass, metal, wood, plastic and most porous / non-porous surfaces, **FPM2** inks leave an intense permanent mark with high visibility.

Ink	Shade	Typical Viscosity* (mPa.s)	pH [‡]
FPM2 Brilliant Blue		12.9	6.4
FPM2 Glowing Green		13.7	6.6
FPM2 Zesty Lemon		10.7	6.6
FPM2 Fiery Amber		14.2	6.4
FPM2 Flaming Orange		11.8	6.6
FPM2 Radiant Red		11.2	6.7
FPM2 Hot Pink		12.2	6.7
FPM2 Vivid Violet		12.2	6.5

*Viscosity is measured at 20°C, all viscosity values can vary ± 2 mPa.s. [‡]pH variance is typically ± 0.5 , [§]colour shades are approximate and vary depend on the ink lay down; [†] colours may not be accurately represented on some computer screens / from certain printers

Density = **1.01 g.cm⁻³**; Surface tension = **27 nNm.m⁻¹**; Multichem inks have a $\Delta E \leq 3$, Approximate VOC content **540 g/L**

FPM2 in Your Pens

FPM2 inks are designed for use with valve action markers. In order to avoid a pressure build up, the valve should be activated after assembly by depressing the nib.

Nibs: Polyester, high porosity; Multichem recommends a porosity of around 70% for optimum flow performance.

Barrels: PP, PE, aluminium

Caps: PP. Refer to BS 7272-1:2008 for more details

Once selected the components should be thoroughly tested.

For further information about component selection, pen tests or pen storage please email lab@multichem.net

FPM2 in the Environment

Multichem strives to play its part in the responsible sourcing of raw materials and manufacturing of inks to help protect the environment. As such **FPM2** has been developed using renewably sourced ethanol while the whole formulation contains **>50%** renewable materials.



FPM2 in Your Factory

Multichem **FPM2** inks are guaranteed for 12 months from receipt when stored in the original sealed containers.

Store Multichem inks between 10°C < T < 30°C to avoid ink adverse performance features.

FPM2 inks readily settle out during storage, this is completely normal. Prior to usage drums should be stored for at least 24 hours at room temperature (circa 20°C) and then thoroughly agitated ensuring the solution is a uniform consistency. Continuous stirring is recommended whilst filling the marker components.

Multichem inks which have passed their shelf life may still be fine to use. To find this out simply follow the guidelines above to obtain a uniform 100g sample of ink, label the ink with the product name and batch number and send it to Multichem for a quality check.

Please remember that **FPM2** inks are flammable liquids so please handle accordingly. For more information please refer to the CLP Material Safety Data Sheet for the **FPM2** range.

FPM2 in the Market

Multichem has developed **FPM2** to comply with;

- EU / US / CA TRA ASTM D-4236 TRA

Final markers may also require separate approval in order to meet some of the above regulations.

Our inks do not contain any Substances of Very High Concern (SVHC), Benzene, Toluene or Xylene. None of our inks require labelling under Proposition 65 (assuming a maximum reservoir capacity of 12ml).

All ingredients of **FPM2** have been registered / pre-registered under REACH or are exempt from REACH registration.