

# Technical Data Sheet

## Paint Marker Ink – PM14 and FPM14 Series

Our latest generation of paint marker inks has been specially developed to offer improved opacity on dark surfaces. PM14 and FPM14 will mark virtually any substrate to leave a high-impact permanent mark that is water, fade and rub resistant. Available in 16 vibrant colours, PM14 and FPM14 offer excellent adhesion, are quick drying and are suitable for use in a wide range of applications – including arts and crafts. Regulatory information and compliance available on request.

### ● Standard Colours

Ink Colour	Pantone References*	Typical Viscosity (20°C) (mPa.s)	Density (20°C) (g.cm <sup>-3</sup> )	Surface Tension (mNm/m)
● PM14 Black	N/A	15.0	1.01	27
○ PM14 White	N/A	12.0	1.01	27
● PM14 Blue	3005 C	11.0	1.01	27
● PM14 Green	3278 C	18.5	1.01	27
● PM14 Yellow	101 C	10.0	1.01	27
● PM14 Red	1797 C	12.0	1.01	27
● PM14 Gold	871 C	17.0	1.01	27
● PM14 Silver	877 C	22.0	1.01	27
● PM14 Platinum	8003 C	7.5	1.01	27
● PM14 Copper	876 C	18.0	1.01	27
● PM14 Rose Gold	873 C	17.0	1.01	27
● FPM14 Pink	806 C	14.0	1.01	27
● FPM14 Orange	805 C	14.0	1.01	27
● FPM14 Yellow	803 C	13.5	1.01	27
● FPM14 Green	802 C	14.5	1.01	27
● FPM14 Blue	801 C	14.0	1.01	27

\*Pantone references quoted are approximate to give an indication of colour shade

### ● Component Selection Advice

PM14 and FPM14 inks are designed for use with valve action markers. To avoid pressure build up, the valve should be activated after assembly by depressing the nib.

**Nib** - Polyester (high porosity) around 70%

**Barrel** - Polypropylene (PP), polyethylene (PE), aluminium

**Head/tail caps** - Polypropylene (PP), polyethylene (PE), BS 7272-1:2008 compliant

Please test and approve our inks in your own components

### ● Shelf Life

The shelf life of PM14 and FPM14 inks is 24 months from receipt when stored in the original sealed containers. It is recommended to store the inks between 10°C and 30°C.

PM5 inks readily settle out during storage. This is completely normal. Drums should be stored for at least 24 hours at room temperature (around 20°C) and then thoroughly agitated until the ink is uniform before to use. Continuous stirring is recommended whilst filling the marker components.

**Caution:** Paint marker inks are flammable liquids, so please handle accordingly. For more information, please refer to the Material Safety Data Sheet.

✉ For further information please email [lab@multichem.net](mailto:lab@multichem.net)

**Disclaimer:** It is your responsibility as the writing instrument manufacturer to establish the overall safety and fitness for purpose of the marker components incorporating our inks and to establish overall compliance to regulations and legislation related to the industry. All marker pen components should be thoroughly tested by you for compatibility with our inks. Multichem makes no guarantees (either express or implied) with respect to this technical data or our advice regarding component selection. Multichem will not accept any liability for any loss arising in connection with this technical data or the recommendations expressed within (other than that resulting from our gross negligence). Please contact your component suppliers for more specific advice regarding component suitability and selection. The information contained within this technical data sheet is not exhaustive and you should verify the performance of your final product.