

Technical Data Sheet

Paint Marker Ink – PM5 Series

Our low odour pigmented paint marker inks can be used in a wide range of applications both indoors and outside. Perfect for arts and crafts applications such as posters, greeting cards and signs, they are also ideal for industrial environments e.g. factories, construction sites, the logging industry and in schools, at home or in the garden.

PM5 will mark virtually any surface resulting in a high-impact, durable, rub-resistant permanent mark. It dries to form a glossy, opaque and intense mark offering considerable advantage over regular permanent marker inks. The result is similar in effect to using brush and paint but delivered in a convenient, easy-to-use marker system. Regulatory information and compliance available on request.

● Standard Colours

Ink Colour	Pantone References*	Typical Viscosity (20°C) (mPa.s)	Density (20°C) (g.cm ⁻³)	Surface Tension (mNm/m)
● PM5 Black	-	16.0	1.01	27
○ PM5 White 57A	-	25.0	1.01	27
● PM5 Purple 160A	2957 C	10.5	1.01	27
● PM5 157B	292 C	22.0	1.01	27
● PM5 Blue 160B	Process Blue C	12.5	1.01	27
● PM5 Green 50B	2240 C	10.0	1.01	27
● PM5 Yellow 2	3945 C	13.0	1.01	27
● PM5 Red 9-120	1787 C	25.0	1.01	27
● PM5 Pink 50A	240 C	15.0	1.01	27
● PM5 Gold 002A	871 C	10.5	1.01	27
● PM5 Silver 002B	877 C	19.0	1.01	27

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

● Component Selection Advice

PM5 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 PM5 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

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.