

Technical Data Sheet

Aqueous Art Marker Bases – AAM B100



Blend your own colour shades using our **Aqueous Art Marker Bases (AAM B100)** series. Unique colours can be achieved by mixing different combinations of the base inks in an infinite number of different ratios. Perfect for Arts & Crafts, **AAM B100 inks** are suitable for use with both standard or fineliner nibs to produce artwork on a wide range of surfaces including paper and card. These inks not only provide a gateway to a world of vibrant colours but also are *washable* from clothes and skin and are also cap-off protected. The use of bases further reduces the need to hold hundreds of colours in stock, while the mixing of the bases to give you the final desired colours couldn't be easier.

Ink	Shade [§]	Viscosity* (mPa.s)	Surface Tension (nNm.m ⁻¹)	pH [†]
AAM B101 Cyan Base		3.4	22	7.3
AAM B102 Yellow Base		3.6	27	7.4
AAM B104 Red Base		3.6	24	7.2
AAM B105 Pink Base		3.4	28	9.4
AAM B106 Salmon Base		3.4	28	7.1
AAM B107 Magenta Base		3.6	27	7.3
AAM B108 Burgundy Base		3.4	27	7.6
AAM B109 Cherry Base		3.4	26	7.4
AAM B110 Midnight Base		3.6	27	8.3
AAM B112 Clear Base	Clear	3.4	22	7.4

*Viscosity is measured at 20°C, all viscosity values can vary ±1 mPa.s. [§]Shades are approximate and vary depend on the ink lay down; [†] colours may not be accurately represented on some computer screens / from certain printers; [‡]pH variance is typically ±0.75;

Density = 1.07 g.cm⁻³; Multichem inks have a ΔE ≤ 3, Approximate VOC content 0 gL⁻¹

AAM B100 Inks in Your Pens

The performance features of all inks can vary depending on the components which the inks have been paired with.

Nibs: Polyester, acrylic and extruded plastic. Nylon nibs should be extensively tested before use.

Reservoirs: polyester; Multichem recommends reservoir densities between 0.15 – 0.20 gcm⁻³

Barrels: PP, PE

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

Once selected the component combination should be thoroughly tested.

In the event that metal clad nibs are used it is recommended that corrosion tests are performed.

For optimum performance markers should ideally be stored in a horizontal orientation at room temperature and should be capped securely.

Cap-off performance varies significantly with the choice of components

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



AAM B100 Inks 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.

AAM B100 inks have been specifically designed with the environment in mind being both water-based meaning zero VOCs and also available in concentrates reducing the carbon footprint of each shipment.

The inks in this series contain a minimum of 81% renewably sourced materials.

AAM B100 Inks in Your Factory

Multichem **AAM B100 inks** are guaranteed for 12 months from receipt when stored in the original sealed containers.

The storage of the **AAM B100** inks must be between 10°C <T< 30°C to avoid adverse performance features.

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.

For more information please refer to the CLP Material Safety Data Sheet for the **AAM B100 Ink** range.

AAM B100 Inks in the Market

Multichem has developed **Aqueous Art Marker Bases** to comply with:

- ASTM D-4236 TRA
- EN71-3
- USP51 / 61
- BPR

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 the **AAM B100** series have been registered / pre-registered under REACH or are exempt from REACH registration