

Technical Data Sheet

Whiteboard Ink – WB900



WB900P is a bright and colourful whiteboard ink especially designed for use over a wide variety of surfaces, is fast drying and typically demonstrates 72 hours cap-off. **WB900P** has outstanding long-term erasure properties typically delivering 12 months plus on most board surfaces.

Ink	Pantone Reference [§]	Approximate Shade [§]	Viscosity* (mPa.s)	pH [†]
WB900 Black A	N/A	●	9.5	8.2
WB900 Victoria Blue P	292C	●	7.0	8.1
WB900 Red C	1925C	●	6.7	7.7
WB900 Green D	340C	●	7.9	6.5
WB900 Rose Pink X	240C	●	7.4	7.8
WB900 Ruby Red CS	214C	●	7.4	7.9
WB900 Scarlet L	1787C	●	8.0	7.4
WB900 Mandarin Orange EK	166C	●	8.2	8.2
WB900 Orange E	3564C	●	6.9	7.8
WB900 Golden Orange EF	2013C	●	7.2	7.9
WB900 Yellow F	3945C	●	7.9	7.5
WB900 Lemon Grass Y	2286C	●	8.2	8.0
WB900 Lime Green YQ	2421C	●	6.3	8.0
WB900 Emerald J	2240C	●	7.2	8.0
WB900 Turquoise R	320C	●	8.1	7.8
WB900 Blue B	Process Blue C	●	7.5	8.1
WB900 Violet V	2104C	●	7.5	8.0
WB900 Purple T	2597C	●	10.1	8.3
WB900 Lavender H	2602C	●	9.0	7.3
WB900 Brown G	7516C	●	7.7	8.2

*Viscosity is measured at 20°C, all viscosity values can vary ±1 mPa.s. [§]Pantone references 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 ±1.0

Density = **0.83 g.cm⁻³**; Surface tension = **27 nNm.m⁻¹**; Multichem inks have a $\Delta E \leq 3$, Approximate VOC content **720g/L**

WB900P in Your Pens

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

Nibs: Polyester and acrylic, high porosity; Multichem recommends a porosity of around 65% for optimum flow performance.

Reservoirs: polyester; Multichem recommends a reservoir density of 0.185 g.cm⁻¹

Barrels: PP, PE, Aluminium

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

Once selected the component combination should be thoroughly tested.

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

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

WB900P 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 **WB900P** has been developed using renewably sourced ethanol while the whole formulation contains **>60%** renewable materials.



WB900P in Your Factory

Multichem **WB900P** inks are guaranteed for 12 months from receipt when stored in the original sealed containers.

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

Prior to usage drums should be stored for at least 24 hours at room temperature (circa 20°C) and then thoroughly agitated until the ink is of a uniform consistency prior to use.

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 whiteboard inks are flammable liquids so please handle accordingly. For more information please refer to the CLP Material Safety Data Sheet for the **WB900P** range.

WB900P in the Market

Multichem has developed **WB900P** to comply with;

- EN 71-3:2013 + A1:2014
- EN71-9:2005+A1:2007
- 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 **WB900P** have been registered / pre-registered under REACH or are exempt from REACH registration.