

# Technical Data Sheet

## Whiteboard Ink – WB600.11



**WB600.11** is Multichem's most colourful whiteboard ink and is popular the world over. For use on high quality surfaces, **WB600.11** has excellent short-term erasure performance and comes in a wide variety of colours and shades.

Ink	Pantone Reference <sup>§</sup>	Shade <sup>§</sup>	Viscosity* (mPa.s)	pH <sup>†</sup>
WB600.11 Black A	N/A	●	9.8	6.7
WB600.11 Victoria Blue P	292C	●	9.4	6.8
WB600.11 Red C	1925C	●	6.5	7.2
WB600.11 Green D	340C	●	8.7	6.9
WB600.11 Rose Pink X	240C	●	9.5	6.4
WB600.11 Ruby Red CS	214C	●	7.0	6.6
WB600.11 Scarlet L	1787C	●	5.9	6.6
WB600.11 Mandarin Orange EK	166C	●	6.2	6.8
WB600.11 Orange E	3564C	●	7.5	6.9
WB600.11 Golden Orange EF	2013C	●	8.1	6.6
WB600.11 Yellow F	3945C	●	6.6	6.6
WB600.11 Lemon Grass Y	2286C	●	8.1	6.9
WB600.11 Lime Green YQ	2421C	●	7.3	6.9
WB600.11 Emerald J	2240C	●	8.0	6.4
WB600.11 Turquoise R	320C	●	8.5	6.7
WB600.11 Blue B	Process Blue C	●	6.5	6.8
WB600.11 Violet V	2104C	●	8.4	6.8
WB600.11 Purple T	2597C	●	7.9	6.8
WB600.11 Lavender H	2602C	●	9.4	6.4
WB600.11 Brown G	7516C	●	7.1	6.7

\*Viscosity is measured at 20°C, all viscosity values can vary  $\pm 1$  mPa.s. <sup>§</sup>Pantone references are approximate and vary depend on the ink lay down; <sup>†</sup> colours may not be accurately represented on some computer screens / from certain printers; <sup>‡</sup>pH variance is typically  $\pm 0.25$

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

### WB600.11 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<sup>-1</sup>

**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](mailto:lab@multichem.net)

### WB600.11 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.

**WB600.11** has been developed with the environment in mind and as such is made up from **> 61%** renewable materials.



### WB600.11 in Your Factory

Multichem **WB600.11** 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 **WB600.11** range.

### WB600.11 in the Market

Multichem has developed **WB600.11** 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 **WB600.11** have been registered / pre-registered under REACH or are exempt from REACH registration.