

## Technical Information

### Wood Shade Ink

#### ● General Information

Designed as a touch-up to cover minor scratches or superficial damage to any interior wood surface such as furniture, doors and flooring, our wood shade marker ink is available in a range of popular wood finishes.

- Cap-off protection
- Matches most wood types
- Low odour alcohol formulation
- Penetrates wood to give good adhesion
- Fast drying
- Easy to apply
- Xylene, toluene and benzene free

#### ● Available Colours

Standard	
● Ebony	● Mahogany
● Pine	● Chestnut
● Natural	● Oak
● Cherry	● Walnut

#### ● Typical Physical Properties

Ink	Viscosity (20°C) (cP)	Density (20°C) (g.cm <sup>-3</sup> )	Surface Tension (mNm/m)	pH	Drying Time (23°C/50% RH) (secs)
● Ebony	3.30	0.91	27	5.20	15
● Pine	3.04	0.91	26	4.65	15
● Natural	3.03	0.92	27	4.82	15
● Cherry	3.26	0.91	27	4.26	15
● Mahogany	3.73	0.92	27	5.02	15
● Chestnut	3.63	0.91	26	4.11	15
● Oak	3.11	0.91	27	4.39	15
● Walnut	3.12	0.91	27	4.48	15

**cP** = centipoise

**g.cm<sup>-3</sup>** = grams per cubic centimetre

**mNm/m** = milli Newton metre per metre

● **Light Fastness**

Ink	Light Fastness (8 hours exposure to mercury vapour source)
● Ebony	5
● Pine	5
● Natural	4
● Cherry	3
● Mahogany	5
● Chestnut	4
● Oak	2
● Walnut	2

5 = Excellent

4 = Very good

3 = Good

2 = Poor

1 = Very Poor

0 = Failure

**Test Method Summary** – The colour intensity is assessed visually. The light fastness is assessed visually after exposure to a mercury vapour light source for 8 hours

● **Approvals**

US	European
ASTM D-4236	EN71-9:2005
16 CFR 1500.3 (max reservoir capacity is 12ml)	EN71-3:1994
TSCA	TRA
Proposition 65	Annex XVII EU Regulation 1907/2006 (Phthalates)
CPSIA Total Lead in Substrates	
CPSIA Total Phthalates Content	

*NB: our inks are suitable for use in marker pens intended for children of 3 years and above, however it is the pen manufacturer's responsibility to establish the overall safety and fitness for purpose of the product incorporating Multichem inks.*

● **Marker Storage Advice**

For optimum performance, markers should ideally be stored capped securely.

● **Component Selection Advice**

Component	Details
Nib	Polyester or acrylic
Reservoir	Polyester with polypropylene wrapping
Barrel	Polypropylene (PP)
Head/Tail Caps	Polypropylene (PP)

*We strongly recommend you test your components for compatibility with our inks.*