



1501 West 178<sup>th</sup> Street | Gardena, CA. 90248  
310-767-7812 | 800-359-5679 | fax: 310-767-7836  
[info@matsui-color.com](mailto:info@matsui-color.com) | [www.matsui-color.com](http://www.matsui-color.com)

## WS0465 White 301 W

### Technical Data Sheet

- **Wet Ink Tack** | Low
- **After Flash Tack** | Low
- **Printability** | Excellent
- **Surface Appearance** | Matte
- **Opacity/Viscosity** | High/Low
- **Bleed Resistance** | None
- **Flash Temperature** | 160°F (71°C)/decreases with deposit thickness
- **Cure Temperature** | 320°F (160°C)
- **Squeegee Hardness** | Medium
- **Squeegee Blade** | Sharp
- **Squeegee Angle** | 45 degrees to screen
- **Squeegee Speed** | Medium
- **Underlay** | Excellent
- **Emulsion** | Direct or indirect
- **Mesh Count** | 110-305 mc in (43-120 mc cm)
- **Thinner** | RV Additive
- **Thickener** | Thickener B
- **Storage** | 65°F to 95°F (18°C to 35°C). Avoid direct sun.
- **Cleanup** | Water and mild soap or detergent
- **Color Range** | White
- **Substrate Type** | Cotton
- **Substrate Color(s)** | Light, Medium and Dark Fabrics

### Description

**White 301 W** is a high mesh direct print and mixing white that can be mixed with “Neo Pigments” to achieve an extremely soft hand feel and pastel colors.

### Features

- Easy to mix and print
- Can be used as a mixing white with Neo Pigments up to 15%
- Prints through very high mesh counts for minimum ink usage
- Excellent printability with no viscosity modifications
- Extremely soft hand feel that PVC inks cannot achieve
- Creates an opaque white print and superb softness
- OEKO-TEX® Standard 100 certified, CPSIA and HR4040 Compliant
- Is “PVC Free” and environmentally safe

### Application

Print through fine screen mesh up to 305 mc in (120 mc cm) when cured at 320°F (160°C), **White 301 W** produces the softest prints achievable in textile screen printing today.

### Special Recommendations

**White 301 W** should be mixed in clean vessels using clean mixing blades and utensils. Any contamination from other ink sources or non-approved additives could make **White 301 W** test positive for restricted PVC's.

- **White 301 W** can be dry cleaned or ironed
- Use Retarder MG 1-5% to help with open time in the screen
- Use Fixer WF-N 1-5% to help with wash fastness
- Use Softener MG 1-4% to help penetrate in to the garment
- Use Thickener B .25-1% to help thicken the ink
- Use RV Additive 1-3% to reduce viscosity