



## Neo Pigments 301 ECO Series

### Technical Data Sheet

- **Wet Ink Tack** | Low
- **After Flash Tack** | Low
- **Printability** | Excellent
- **Surface Appearance** | Matte
- **Opacity/Viscosity** | Low/Low
- **Bleed Resistance** | None
- **Flash Temperature** | 160°F (71°C)/decreases with deposit thickness
- **Cure Temperature** | Up to 320°F depending on base and fixer (160°C)
- **Squeegee Hardness** | Medium
- **Squeegee Blade** | Sharp
- **Squeegee Angle** | 45 degrees to screen
- **Squeegee Speed** | Medium
- **Underlay** | 301 Series
- **Emulsion** | Direct or indirect
- **Mesh Count** | Up to 305 mc in (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** | Multiple
- **Substrate Type** | Multiple
- **Substrate Color(s)** | Light, Medium and Dark Fabrics

### Description

**Neo Pigments** are 13 concentrated Eco-friendly pigments that are base dependent and can be blended up to 15% in Matsui bases to create Pantone® colors.

**Neo Yellow M3G**   **Neo Gold Yellow MFR**   **Neo Orange MGD**   **Neo Red MGD**  
**Neo Red MFB**   **Neo Rose MB**   **Neo Pink MB**   **Neo Violet MFB**  
**Neo Navy Blue MB**   **Neo Blue MB**   **Neo Blue MG**   **Neo Green MB**  
**Neo Black MK**

### Features

- Easy to mix and print (High Concentrate Pigments)
- Create thousands of color shades by mixing with Matsui bases
- Download Matsui CMS (Color Matching Software) for Pantone® formulas
- Prints through very high mesh counts for minimum ink usage
- OEKO-TEX® Standard 100 certified, CPSIA and HR4040 Compliant
- Meets all RSL's (restricted substance list) for major brands
- Extremely soft hand feel that PVC inks cannot achieve
- Heat stable/resistance at 1% mix by volume
- Is "PVC Free" and environmentally safe

### Application

Print through fine screen mesh up to 305 mc in (120 mc cm) can be cured up to 320°F (160°C) depending on base and fixer used, **Neo Pigments** produces the softest prints achievable in textile screen printing today.

### Special Recommendations

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

- **Neo Pigments** with base 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