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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**