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WS0463 Mat 301 M

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** | 320°F (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** | 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** | Milky
- **Substrate Type** | Cotton
- **Substrate Color(s)** | Light, Medium and Dark Fabrics

Description

Mat 301 M is a high mesh semi-opaque mixing base that results in a matte finish and can be mixed with “**Neo Pigments**” to achieve an extremely soft hand feel. This product has a milky appearance.

Features

- Easy to mix and print
- Creates thousands of color shades by adding up to 15% Neo Pigments
- 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 a matte finish with superb softness
- OEKO-TEX® Standard 100 certified, CPSIA and HR4040 Compliant
- “**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), **Mat 301 M** produces the softest prints achievable in textile screen printing today.

Special Recommendations

Mat 301 M should be mixed in clean vessels using clean mixing blades and utensils.

Any contamination from other ink sources or non-approved additives could make

Mat 301 M test positive for restricted PVC's.

- **Mat 301 M** 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