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## WS0511 Stretch Mat 301

### 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** | 86-160 mc in (34-63 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

**Stretch Mat 301** is a semi-opaque mixing base for “**Performance**” and high stretch fabrics that can be mixed with “**Neo Pigments**” to achieve an extremely soft hand feel and excellent elasticity. This product has a milky appearance.

### Features

- Easy to mix and print
- Creates thousands of color shades by adding up to 15% Neo Pigments
- Excellent printability with no viscosity modifications
- Extremely soft hand feel that PVC inks cannot achieve
- Excellent elasticity, great on Dri-fit performance fabrics
- OEKO-TEX® Standard 100 certified, CPSIA and HR4040 Compliant
- Is “**PVC Free**” and environmentally safe

### Application

Print through fine screen mesh up to 160 mc in (63 mc cm) when cured at 320°F (160°C), **Stretch Mat 301** produces the softest prints achievable in textile screen printing today.

### Special Recommendations

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

- **Stretch Mat 301** 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