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WS0128 Discharge Base 301 DM

Technical Data Sheet

- **Wet Ink Tack** | Low
- **After Flash Tack** | Low
- **Printability** | Excellent
- **Surface Appearance** | Matte
- **Opacity/Viscosity** | Low/Med
- **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** | N/A
- **Emulsion** | Direct or indirect
- **Mesh Count** | up to 160 mc/in (62 mc/cm)
- **Thinner** | N/A
- **Thickener** | N/A
- **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

Discharge Base 301 DM creates vibrant colors when blended with “Neo Pigments” up to 15% to achieve an extremely soft hand feel. Use with Matsui CMS (Color Matching System) to create Pantone® colors.

Features

- Easy to mix and print
- Create 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
- Is “PVC Free”

Application

Print through fine screen mesh up to 160 mc/in (62 mc/cm) when cured at 320°F (160°C), **Discharge Base 301 DM** produces the softest prints achievable in textile screen printing today.

Special Recommendations

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

- **Discharge Base 301 DM can be 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 Discharge Agent up to 10% to activate**