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## WB0111 HM Discharge Base

### 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** | N/A
- **Emulsion** | Direct or indirect
- **Mesh Count** | 110-305 mc in (43-120 mc cm)
- **Thinner** | RV Additive
- **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

**HM Discharge Base** is a high mesh discharge mixing base that can be blended with “**Neo Pigments**” up to 15% to achieve an extremely soft hand feel. Great for achieving halftone discharge prints. 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
- Blend 50/50 with **Brite Discharge Base** to create a brighter print up to 230 mc in (91 mc cm)
- CPSIA and HR4040 Compliant
- Is “**PVC Free**”

### Application

Print through fine screen mesh up to 305 mc in (120 mc cm) when cured at 320°F (160°C), **HM Discharge Base** produces the softest prints achievable in textile screen printing today.

### Special Recommendations

**HM Discharge 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 **HM Discharge Base** test positive for restricted PVC’s.

- **HM Discharge 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 RV Additive 1-3% to reduce viscosity
- Use Discharge Agent up to 10% to activate