



1501 West 178th Street | Gardena, CA. 90248
310-767-7812 | 800-359-5679 | fax: 310-767-7836
info@matsui-color.com | www.matsui-color.com

WW0201 HM Discharge White

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** | White
- **Substrate Type** | Cotton
- **Substrate Color(s)** | Light, Medium and Dark Fabrics

Description

HM Discharge White is a high mesh discharge white that is great for creating high end halftone white opaque art. Results in an extremely soft hand feel.

Features

- Easy to mix and print
- Can be blended with **Neo Pigments** up to 15% to achieve pastel colors
- 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 White** to create a brighter white printed 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 White** produces the softest prints achievable in textile screen printing today.

Special Recommendations

HM Discharge White 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 White** test positive for restricted PVC's.

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