



## WS0554 Kombat Blocker

### Technical Data Sheet

- **Wet Ink Tack** | Low
- **After Flash Tack** | Low
- **Printability** | Excellent
- **Surface Appearance** | Matte
- **Opacity/Viscosity** | High/Medium
- **Bleed Resistance** | Excellent
- **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** | 80-120 mc in (32-47 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** | Black
- **Substrate Type** | Cotton/Poly, Polyester
- **Substrate Color(s)** | Light, Medium and Dark Fabrics

### Description

**Kombat Blocker** is a base that is printed down first to block dye sublimation on polyester fabrics. Especially the Kombat Blocker is improved version for the power of dye migration blocking. It is suitable for the printing on the sublimation printed fabric.

### Features

- Easy to mix and print
- Prevents dye migration in to colors printed on top of Under Base Blocker
- Great for printing on 100% Polyester, Performance Fabrics and Sublimation
- Excellent matte down characteristics to push the nap of the fabric down
- Is “PVC Free” and environmentally safe

### Application

Print **Komba Blocker** up to 120 mc in (47 mc cm) and cure at 320°F (160°C). A thicker stencil is preferred to achieve a heavier deposit of **Kombat Blocker** to provide better coverage of the fabric and prevent migration.

Note: Due to variations in dyed polyesters, any application whether referenced or not in this technical data sheet should be pre-tested for suitability on the actual production fabric and/or consultation sought with Matsui International prior to printing.

### Special Recommendations

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

- **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 Thickener B .25-1% to help thicken the ink**
- **Use RV Additive 1-3% to reduce viscosity**