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## WB0629 Kombat Black

### Technical Data Sheet

- **Wet Ink Tack** | Low
- **After Flash Tack** | Low
- **Printability** | Excellent
- **Surface Appearance** | Matte
- **Opacity/Viscosity** | High/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** | 110-180 mc in (43-72 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** | All
- **Substrate Color(s)** | Light, Medium and Dark Fabrics

### Description

**Kombat Black** is a direct printing black for halftone or spot printing to achieve an extremely soft hand feel and excellent fastness which is required by major sport apparel. This product has a black matte appearance.

### Features

- Easy to print
- Exceptional spot black for the fastness
- Excellent printability with no viscosity modifications
- Extremely soft hand feel that PVC inks cannot achieve
- Is “PVC Free” and environmentally safe

### Application

Print through fine screen mesh up to 180 mc in (72 mc cm) when cured at 320°F (160°C), **Kombat Black** produces the softest prints achievable in textile screen printing today.

### Special Recommendations

**Kombat Black** 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 Black** test positive for restricted PVC's.

- **Kombat Black 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**