



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

Under Base Blocker 301 Gray

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** | Gray
- **Substrate Type** | Cotton/Poly, Polyester
- **Substrate Color(s)** | Light, Medium and Dark Fabrics

Description

Under Base Blocker 301 Gray is a base that is printed down first to block dye sublimation on polyester fabrics.

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
- OEKO-TEX® Standard 100 certified, CPSIA and HR4040 Compliant
- Is “PVC Free” and environmentally safe

Application

Print **Under Base Blocker 301 Gray** 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 **Under Base Blocker 301 Gray** 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

Under Base Blocker 301 Gray should be mixed in clean vessels using clean mixing blades and utensils. Any contamination from other ink sources or non-approved additives could make **Under Base Blocker 301 Gray** 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**