

# under base blocker 301 gray



## 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 into colours 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
- **PVC Free** and environmentally safe

## application

Print **Under Base Blocker 301 Gray** up to 47 mc cm and cure at 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

## technical data

Wet Ink Tack	Low
After Flash Tack	Low
Printability	Excellent
Surface Appearance	Matte
Opacity / Viscosity	High / Medium
Bleed Resistance	Excellent
Flash Temperature	71°C decreases with deposit thickness
Cure Temperature	160°C
Squeegee Hardness	Medium
Squeegee Blade	Sharp
Squeegee Angle	45° to screen
Squeegee Speed	Medium
Underlay	n/a
Emulsion	Direct or indirect
Mesh Count	32-47 mc cm
Thinner	RV Additive
Thickener	Thickener B
Storage	18°C to 35°C Avoid direct sun
Cleanup	Water and mild soap or detergent
Colour Range	Gray
Substrate Type	Cotton/Poly, Polyester
Substrate Colours	Light, medium and dark fabrics