

Murakami T3

Ultra Durable Photo Emulsion

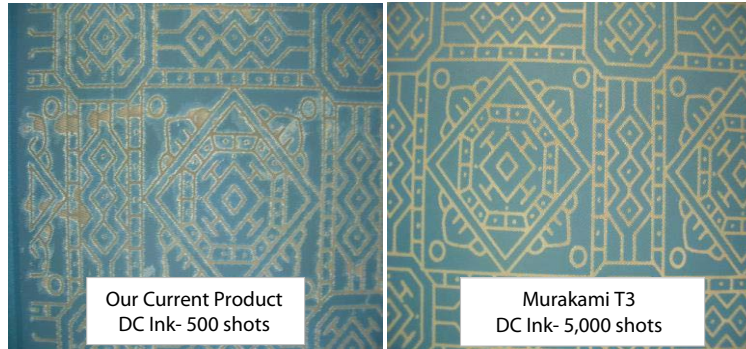


MURAKAMI

745 Monterey Pass Rd. Monterey Park, Ca. 91754
phone (323) 980-0662 www.murakamiscreen.com

Features/Application

- No hardener needed.
- Ultra durable emulsion with easy reclaimability.
- Discharge Ink
- Phthalate Free ink
- PVC Free Ink
- Plastisol Ink
- Waterbase Ink



Specifications

- Viscosity **** Approximately 25,000mPa·s (25°C)
- Solids Content **** Approximately 46% (wt)
- Packaging **** 1 Gallon (U.S.), 5 Gallon (U.S.) & Drum Sizes Available.

Solvent Resistance Rating

Test Solvent	Evaluation	Test Solvent	Evaluation
Water	☑	Xylene	○
Kerosene	☑	Isopropyl Alcohol	○
Turpentine Oil	☑	Butyl Cellosolve	○
Orange Oil	☑	N-Methylpyrrolidone (NMP)	×
Dimethylformamide	×	Methanol	×

☑ • ○ : Good

X : Not recommended

Instructions

- Wash the screen mesh and remove any grease or foreign contaminants with MSP cleanser.
- Dissolve provided diazo with water, 10% equivalent to emulsion volume. Pour into emulsion and mix it well.
- Use cool or cold water. Do not use warm water.
- If any undissolved diazo remains, pour remaining diazo into emulsion and stir thoroughly.
- Prior to use let mixed emulsions stand for a day. For immediate use filter emulsions with 250 mesh count or higher.
- Coat as slowly as possible to prevent air bubbles from forming.
- Dry coated screen at 40°C (104°F).
- In addition, its durability improves by post-exposing from the squeegee side at time equal with the main exposure time or post expose in sunlight.

Remarks

- To keep the mixed emulsion in a cool and UV light safe area and use within 1 week.
- It is recommended to filter the mixed emulsion with screen mesh before pouring back into scoop coater to remove any dust, foreign contaminants and air bubbles.

Exposure & Coating

Screen Mesh	Coat Process	EOM μm^{**}	3kW Metal Halide Lamp. Height 100cm Intensity: UV-42 Censor 12mW/cm ²
Polyester 150S (Bias) White	P1S2	6-8	180-210 Seconds
Polyester 150S (Bias) White	P2S2	10-12	210-240 Seconds
Polyester 250T (Bias) Yellow	P5S2	6-8	180-210 Seconds

This is a guideline only. Please use an exposure calculator to determine the correct exposure time.

**Coating Trough (R=1mm) used in the above data.

