



## MURAKAMI

**Murakami T9** is our newest emulsion for textile printing. This high solids, high viscosity emulsion solves many of the issues facing today's textile printers.

Print any textile ink without the need to harden the emulsion. This emulsion reclaims easily to preserve mesh and speed up emulsion removal.



## Specifications

Emulsion Type: Pure Photopolymer

Viscosity: 17,000 centipodes

Color: Light Red

## Customer Advantages

- Prints all common textile inks
- Durable stencils
- No Hardeners needed
- Easy reclaiming
- Preserves fine meshes
- Long shelf life - 1 year
- Coated screens - 2-3 months
- Fast exposures
- Unaffected by temperatures up to 40C
- Excellent resolution and definition.

## Ink Types

Murakami T9 can print the following ink types without hardeners.

*Discharge*

*Water Base*

*Plastisol*

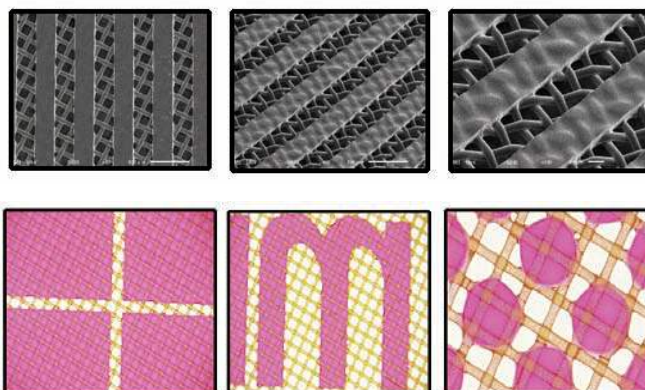
*High Solid Acrylics*

## Durability Tips

Durability of the stencil is improved by maximizing the exposure time to obtain complete exposure of the emulsion. When post exposure is combined with a good initial exposure, stencil durability is increased but it is not a substitute for proper exposure times.

## Reclaiming

Since no hardeners are needed the emulsion will reclaim very easily. This helps preserve fine mesh counts and lowers labor and chemistry costs needed to remove hardened emulsion.



## Coating Procedures

**Mesh below 77T**

Use *Dull* Edge: Coat once on the print side followed by once on the squeegee side.

**Mesh above 77T**

Use *Sharp* Edge: Coat once on print side followed by 1 to 2 coats on the squeegee side.

## Exposure: 5kw Metal Halide

### 1 Exposure time examples for 5,000 watt exposure lamps:

43/80 White = 55-60 seconds  
90/40 Yellow = 50-55 seconds

Exposure times should be determined with an exposure calculator, or a step test to obtain complete exposure of the emulsion film while maintaining details and desired resolution of the image.

### 2 Post Exposure

Post exposure is not necessary with a good exposure, but it will increase durability for long runs and make reclaiming easier.

## Optional: Adding Diazo

OPTIONAL: You can add 8 grams of diazo per gallon to increase resolution, durability and exposure strength for either Metal Halide or LED exposure units. Add more exposure time when adding diazo to the emulsion.

*(Use an exposure calculator or a step test for optimal exposure times for your system.)*

## Exposure: LED

### 1 Exposure Time Examples

43/80 White = 25 seconds  
90/40 Yellow = 15 seconds

Exposure times vary depending on the brand of LED Exposure unit you are using.

Exposure times should be determined with an exposure calculator, or a step test to obtain complete exposure of the emulsion film while maintaining details and resolution desired.

### 2 Post Exposure

Post exposure is not necessary with a good exposure, but it will increase durability for long runs and make reclaiming easier.

## Expose the Quality

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