

# Rutland™ M3 LC Mixing System


**RUTLAND™**


Rutland™ M3 LC is an easy to use, highly accurate finished color mixing system. This system is much more forgiving than a PC-based product because it doesn't require as precise a measurement of the base and additives to complete a formula. The M3 LC system consists of flexible cure inks created to provide an excellent wet-on-wet performance.

## Highlights

- M3 LC colors directly replace the M3 mixing colors
- M3 LC inks are opaque resulting in excellent coverage on dark garments
- The tack-free formula allows printing through a range of mesh counts without the need for a viscosity modifier
- No build-up formulations ensure the highest print efficiencies without down time for wiping screens
- Mix thousands of finished ink colors by choosing Pantone colors from our IMS 3.0 Ink Mixing Software or by custom mixing your own colors
- Only 14 components

## Printing Tips

- Important: Pallet temps need to remain between 135°F to 145°F (57°C - 62°C)
- Printing on white garments: Mix per formulation or by eye to achieve brilliant colors
- For extremely soft hand prints, mix finished color up to 10% of LC0000 Chill Relax Extender
- Printing on dark garments or over an underlay: When printing on dark garments, mix per formulation or custom blend to achieve brilliant colors over an underlay
- (\*) Use low bleed whites on poly/cotton blends and LB0266 Chill LB LC Barrier Base when printing on 100% polyester
- In a standard cure environment (320°F/160°C) you can use K2910, ES0266, M30063 instead of K2912, LB0266, LC0000 respectively

## Compliance

- Non-phthalate
- Internationally compliant
- Visit <https://www.avientspecialtyinks.com/services/compliance-support>

## Sustainability


**Reduced Energy Use**

## Precautions

- The information above is given in good faith and does not release you from testing inks and fabrics to confirm suitability of substrate and application process to meet your customer standards and specifications.

## Recommended Parameters



### Fabric Types

100% Cotton, (\*) poly/cotton blends, 100% polyester



### Flash & Cure

Flash: 140-150°F (60-65°C)  
Cure: 270-320°F



### Clean Up

Unused ink will need to be disposed of responsibly. Standard plastisol cleaners, press wash, or ink degradant



### Mesh

Count: 86-305 t/in (34-120t/cm)  
Tension: 25n/cm3



### Pigment Loading

N/A



### Health & Safety

Find SDS information here:  
[www.avient.com/resources/safety-data-sheets](http://www.avient.com/resources/safety-data-sheets) or contact your local CSR



### Squeegee

Durometer: 70,80  
Profile: Square  
Stroke: 1+  
Angle: 15-20%



### Additives

K2940 HUGGER CATALYST  
K2912 VISCOSITY BUSTER LC



### Stencil

Standard Emulsion  
Off Contact: 1/16" (2mm) or greater  
Emulsion Over Mesh: 15-20%



### Storage

65 -95° F (18 -35° C)  
Avoid direct sunlight.  
Use within one year of receipt.  
Keep container well sealed.


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