

Rutland™ M3 LC Mixing System



Rutland™ M3 Low Cure (LC) is an easy to use and highly accurate finished ink mixing system. The M3 LC system consists of only 14 flexible cure inks created to provide excellent wet-on-wet performance. M3 LC is supported by IMS3.0 and Pantone®.

Highlights

- M3 LC inks are a drop-in for standard M3 mixing inks
- Opacity is designed for accurate color matching and consistent blending
- M3 LC inks are press ready with no need for modifiers
- Advance technology delivers improved wet-on-wet capabilities minimizing down time, increasing productivity
- Achieve thousands of finished ink colors by choosing Pantone® formulas from our IMS 3.0 Ink Mixing Software or by creating your own custom formula
- M3 LC is designed for improved softness and drape

Printing Tips

- Important: Pallet temps need to remain between 120°F to 155°F (48°C - 68°C). Use a laser gun to measure the surface temperature on the pallet.
- When printing on an overlay, utilize supporting IMS3.0 formulas to derive Pantone® colors. Formula adjustments can be made and saved in IMS3.0.
- (* M3 LC inks are not low-bleed inks, use the proper underbase to avoid dye-bleed.
- Use ASI Viscosity Buster LC or LC0000 Chill Relax Extender to modify the ink viscosity.
- For optimized wet-on-wet printing it is recommended to use 156 to 280 t/in (61-110 t/cm) mesh. M3 LC is capable to be printed through a wide mesh range from 86-305 t/in (34-120t/cm).

Compliance

- Oeko-Tex® approved via Eco Passport
- Internationally compliant
- Visit <https://www.avientspecialtyinks.com/services/compliance-support>

Sustainability



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

<p>Fabric Types 100% Cotton, (*) poly/cotton blends, 100% polyester</p>	<p>Flash & Cure Flash: Gel point: 140-150°F (60-65°C) Cure: 270-320°F</p>	<p>Clean Up Unused ink will need to be disposed of responsibly. Standard plastisol cleaners, press wash, or ink degradant</p>
<p>Mesh Count: 156 to 280 t/in (61-110 t/cm) Tension: 25n/cm3</p>	<p>Pigment Loading N/A</p>	<p>Health & Safety Find SDS information here: www.avient.com/resources/safety-data-sheets or contact your local CSR</p>
<p>Squeegee Durometer: 60-90-60, 70-90-70, 70 Profile: Square Stroke: 1+ Angle: 15-20%</p>	<p>Additives LC0000 CHILL RELAX EXTENDER K2912 VISCOSITY BUSTER LC</p>	<p>2025, Avient Corporation. Avient makes no representations, guarantees, or warranties of any kind with respect to the information contained in this document about its accuracy, suitability for particular applications, or the results obtained or obtainable using the information. Some of the information arises from laboratory work with small-scale equipment which may not provide a reliable indication of performance or properties obtained or obtainable on larger-scale equipment. Values reported as "typical" or stated without a range do not state minimum or maximum properties; consult your sales representative for property ranges and min/max specifications. Processing conditions can cause material properties to shift from the values stated in the information. Avient makes no warranties or guarantees respecting suitability of either Avient's products or the information for your process or end-use application. You have the responsibility to conduct full-scale end-product performance testing to determine suitability in your application, and you assume all risk and liability arising from your use of the information and/or use or handling of any product. AVIENT MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, either with respect to the information or products reflected by the information. This literature shall NOT operate as permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.</p>
<p>Stencil Standard Emulsion Off Contact: 1/16" (2mm) or greater Emulsion Over Mesh: 15-20%</p>	<p>Storage 65 -95° F (18 -35° C) Avoid direct sunlight. Use within one year of receipt. Keep container covered.</p>	



AVIENT SPECIALTY INKS

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