

Rutland M3 Ink System


Rutland™

M3 Ink Mixing System is an easy to use, highly accurate finished color matching ink mixing system. This system is much more forgiving than a PC based product as it does not require as accurate of measure or base and additives to complete a formula. Most formulas are combinations of M3 colors.

Highlights

- M3 colors directly replace the M2 and EM ink mixing colors.
- M3 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.
- ES0266 NPT Barrier Base available for printing on 100% polyester.

Printing Tips

- Printing on White Garments: Mix per formulation or by eye to achieve brilliant colors on 100% cotton whites.
- For extremely soft-hand prints, mix finished color up to 1:1 with ES0250 NPT Chino Base.
- 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 the NPT Low Bleed White on poly/cotton blends and the ES0266 NPT Barrier Base when printing on 100% polyester.
- Puff designs: Mix up to 30% of K2470 NuPuff Base to any formulated Color to create a puff ink.












Compliance

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

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 Cotton	 Flash & Cure Flash: 140-150°F on pre-heated pallets Cure: 320°F	 Clean Up Unused ink will need to be disposed of responsibly. Standard plastisol cleaners, press wash, or ink degradant
 Mesh Count: 86-305t/in Tension: 25n/cm3	 Pigment Loading N/A	 Health & Safety Find SDS information here: 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 - 10% by weight	<p>2022, 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>
 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	
	AVIENT SPECIALTY INKS	V3.08 (Modified: 14/10/2022)