

# Rutland™ CHILL LOW CURE COLORS



Rutland Low Cure Colors are designed to print on Cotton, or on Poly blends and Polyester with the appropriate Chill under base. Chill colors are vibrant and bold with a matte finish. These inks demonstrate amazing printability on both manual and automatic presses. This ink series is suitable for wet-on-wet printing dependent on art separation and screen imaging quality.

## Highlights

- Wide cure temperature range from 270°F/132°C to 320°F/160°C
- Chill colors are vibrant and bold with a matte finish and soft hand.
- Ready for use out of the bucket, just pre-shear and print.
- Wet-on-wet capable.
- Energy savings and extra stability on problem fabrics.
- Works well on manual or automatic presses.

## Compliance

- Non-phthalate
- Internationally compliant
- Visit [www.rutlandinc.com](http://www.rutlandinc.com) for more information












## Precautions

- The information provided in this document 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

## Printing Tips

- For printing on cotton: Print direct or over a cotton white underbase. For Blends or Poly, print over the appropriate Chill under base.
- For sublimated and/or migration-prone polyester fabrics, use the Rutland Low Cure Barrier Gray as a base layer to achieve maximum bleed resistance.
- Use 86–230t/in (34-90t/cm) mesh screens for best performance and opacity.
- Adjust flash cure temperature and dwell time so ink is just dry to touch but tacky. Avoid excessive flash temperatures to protect fabric and migration of dyes. Depending on flash unit, a 3 - 5 second flash is adequate.
- Test all prints for color fastness and print durability before starting.
- Curing is a time and temperature process. Using a lower temperature, at a lower belt speed will provide the best result without damaging the fabric. Lower cure does not mean you can increase belt speed. Ink still needs time to cure. 60 second dwell time/6-8 seconds at Cure temp.
- Add up to 10% of LC0000 Chill Relax Extender to extend the LC colors and whites.

## Recommended Parameters

 <b>Fabric Types</b> Cotton, Tri-blends, Cotton/Poly Blends, Polyester	 <b>Flash &amp; Cure</b> Flash: 150°F (66°C) Cure: 270°-320°F (132°-160°C)	 <b>Clean Up</b> Non-phthalate press wash
 <b>Mesh</b> Count: 110-305t/in Tension: 25-35n/cm2	 <b>Pigment Loading</b> N/A	 <b>Health &amp; Safety</b> Find SDS information here: <a href="http://www.avient.com/resources/safety-data-sheets">www.avient.com/resources/safety-data-sheets</a> or contact your local CSR
 <b>Squeegee</b> Durometer: Medium: 60-70, 70/90/70, 60/90/60 Profile: sharp, square Stroke: x1 stroke, medium speed Angle: 10°-20°	 <b>Additives</b> K2940 HUGGER CATALYST	<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>
 <b>Stencil</b> Standard Emulsion Off Contact: 1/16" (2mm) Emulsion Over Mesh: 15-20%	 <b>Storage</b> 65°-90°F (18°-32°C) Avoid direct sunlight. Use within one year of receipt. Keep container well sealed.	
	AVIENT SPECIALTY INKS	V1.00 (Modified: 05/01/2022)