



# 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.

## 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.

## Compliance

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

## Sustainability



## Precautions

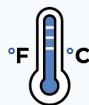
- The information provided in this document is given in good faith and does not release you from testing inks and fabrics to confirm suitability of substrate and application process to meet your customer standards and specifications

## Recommended Parameters



### Fabric Types

Cotton, Tri-blends, Cotton/Poly Blends, Polyester



### Flash & Cure

Flash: 150°F (66°C)  
Cure: 270°-320°F (132°-160°C)



### Clean Up

Non-phthalate press wash



### Mesh

Count: 110-305t/in  
Tension: 25-35n/cm2



### 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: Medium: 60-70, 70/90/70, 60/90/60  
Profile: sharp, square  
Stroke: x1 stroke, medium speed  
Angle: 10°-20°



### Additives



### Stencil

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



### Storage

65°-90° F (18°-32° C)  
Avoid direct sunlight.  
Use within one year of receipt.  
Keep container well sealed.

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