Union Ink™

Union Ink™ Low Cure

Union Ink™ Low Cure is a low bleed ink system with a recommended cure temperature of 270°F/132°C. Products include a variety of premixed colors utilizing non-migrating pigments, as well as a bleed blocking barrier gray and barrier black.

Highlights

- Excellent bleed resistance at a wide temperature range
- Low cure (270°F/132°C) with Maximum Cure of 320°F/160°C
- Soft hand and excellent stretch
- High opacity on dark fabrics
- Non-migrating pigments
- Works well on manual or automatic presses
- A great selection of premixed athletic colors

Compliance

- Non-phthalate
- Internationally compliant
- Visit www.unionink.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

- Use 86–230t (34-90t/cm) mesh screens for best performance and opacity.
- For best results, use a print-flash-print technique to ensure sufficient ink deposit on dark fabrics.
- For challenging polyester fabrics, use Union Ink™ Low Cure Barrier Gray or Barrier Black as a base layer to achieve maximum bleed resistance.
- Adjust flash cure temperature and dwell time so ink is just dry to touch. 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.

Recommended Parameters

Fabric Types
100% Polyester and Polyester blends

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

Clean Up
Non-phthalate press wash

Mesh
Counts: 86- 230t/in (34 -90t/cm)
Tension: 18-35n/cm3

Pigment Loading
N/A

Health & Safety
SDS: www.unionink.com
or contact your local CSR

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

Additives
Not recommended

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

Storage
65°-90°F (18°-32°C)
Avoid direct sunlight

PolyOne | Specialty Inks