

2200 EPIC™ Single LC White

Wilflex™ EPIC Single LC White is a non-phthalate, premium white ink designed to be non-ghosting for universal use on polyester and cotton substrates with bleed resistance properties at low temperature cure requirements. Designed to help printers simplify supply chain, reduce inventory costs and energy consumption.

Highlights

- ▶ Good for multiple fabric types
- ▶ Low cure, save energy, reduce bleed defects
- ▶ Non-ghosting
- ▶ Premium aesthetic and soft hand
- ▶ Fast flashing, no after-flash tack
- ▶ Great stretch

Printing Tips

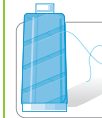
- ▶ Use a printing technique to assure a good ink deposit to maximize bleed resistance and stretch performance properties
- ▶ EPIC Single LC White requires a low cure temperature (< 280°F/138°C) when printing as a first down on fabrics that are known to bleed. When printing on fabrics where bleed resistance is not required, EPIC Single LC White can be cured up to 320°F (160°C)
- ▶ EPIC Single LC White is a low bleed ink. For challenging fabrics using sublimation dyes, a bleed blocking underbase such as EPIC Performance Underbase Gray or EPIC Echo Underbase Gray may be required
- ▶ 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 2 - 3 second flash is adequate. If surface is hot and tacky, the ink film has been over flashed. Reduce temperature or time to prevent an inter-coat adhesion problem
- ▶ Curing is a time and temperature process, a lower oven temperature setting with a slower belt speed while maintaining recommended ink cure temperature is always best to protect fabric, control dye migration and reduce energy consumption

Compliance

- ▶ Non-phthalate.
- ▶ For individual compliance certifications, please visit www.wilflex.com/compliance.

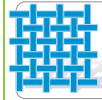
Precautions

- ▶ Stir plastisols before printing.
- ▶ Do not dry clean, bleach or iron printed area.
- ▶ Perform fusion tests before production. Failure to cure ink properly can result in poor wash fastness, inferior adhesion and unacceptable durability. Gel and cure temperatures for ink should be measured using a Thermoprobe device placed directly in the wet ink film and verified on the substrate(s) and equipment to be used for production.
- ▶ It is the responsibility of the printer to determine that the correct ink has been selected for a specific substrate and the application processes meet the printer's customer standards or specifications.
- ▶ Curing is the responsibility of each printer to confirm that the print is fully cured. PolyOne's cure recommendations are not a guarantee or warranty, but merely suggested starting points for curing evaluations as explained above.
- ▶ When printing on garments that contain certain dyes, you must pre-test for the potential of ghosting. Please refer to our website for more information on this issue.
- ▶ Wilflex products have been carefully designed to perform within a given viscosity range, and any dramatic change in viscosity is probable to result in a change in printing characteristics
- ▶ **NON-CONTAMINATION OF EPIC INKS:** Do not mix EPIC inks with inks, additives or extenders from other companies. All buckets, palette knives, stirring apparatus, squeegees, flood bars and screens must be cleaned properly and free of phthalates and pvc containing inks. Non-phthalate emulsions and pallet adhesives must be used. Failure to follow these precautions may cause phthalate contamination in violation of consumer protection laws and regulations.
- ▶ Any application not referred in this product information bulletin should be pre-tested or consultation sought with Wilflex Technical Services Department prior to printing.
- ▶ Email: techserviceswilflex@polyone.com



Fabric Types

100% cotton, 100% polyester, triblends, polyester blends, cotton/poly blends



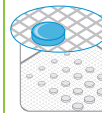
Mesh

Counts: 86-230 t/in (34-90t/cm)
Tension: 25-35 n/cm²



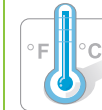
Squeegee

Durometer: 60-70, 60/90/60
Edge: Square, Sharp
Stroke: Hard flood, fast-stroke
**Do not use excess squeegee pressure.*



Non-Phthalate Stencil

Direct: 2 over 2
Capillary/Thick Film: N/A
Off Contact: 1/16" (.2cm)



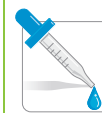
Flash & Cure Temperatures

Flash: 200-220°F (90°C-105°C)
Cure: 260°F - 280°F (127°C - 138°C) Entire ink film



Pigment Loading

EQ: N/A
MX: N/A
PC: N/A
**All percentages listed at % by weight.*



Epic Additives

Extender: Not recommended
Reducer: Not recommended
**All percentages listed at % by weight.*



Shipping & Storage

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



Clean Up

Ink degradant or press wash.



Health & Safety

SDS: www.polyone.com or
Contact your local CSR.